LOVE AND SCIENCE

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LOVE AND SCIENCE

PIEZOELECTRIC & MEMS

SENSOR SOLUTIONS

- Acceleration
- Pressure
- Force

ABOUT

About LNS ⊕

LNS is a manufacturer of new piezoelectric sensor components and a high-tech enterprise that provides comprehensive technical services. It focuses on providing high-precision monitoring equipment for vibration testing, modal measurement, impact measurement, strength testing, reliability testing, vibration monitoring, fault diagnosis, and other processes. LNS has excellent research and development capabilities, achieving data-driven product development and technological innovation through design modeling, simulation optimization, and testing verification, improving design efficiency, and shortening the research and development cycle. The high-precision sensors independently developed and produced adopt internationally advanced sensitive core components and advanced manufacturing processes, with stable and reliable quality and high cost-effectiveness.

500+
Products

200+
Professionals

A leader in the field of testing and measurement

Business areas

Aerospace, aviation, satellite, shipbuilding, nuclear power, wind power, automotive, steel, construction and other industries.

Development strategy

Innovate in high-performance sensor technology for advanced monitoring and testing applications. Pioneering next-generation solutions through vertical-integration and superior quality control.

Comprehensive extreme environmental testing equipment

Intelligent manufacturing factory

Advanced ERP management system

CATALOG

CATALOG

B-series IEPE voltage output type

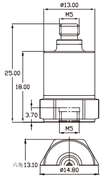
IEPE universal test type accelerometer

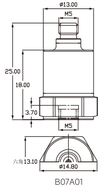
- Vibration and noise monitoring
- Automotive R&D testing
- Ground vibration testing
- Research and maintenance of heavy machinery
- Modal testing
- Electronic product design and testing applications
- Fatigue testing
- Universal vibration and impact tests

B SERIES

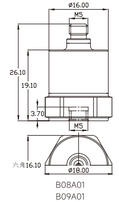
IEPE universal test type

- Universal IEPE type voltage output sensor
- Low impedance voltage signal output
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector top output





B07A01

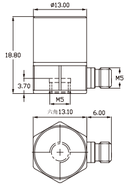


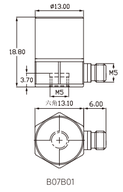
B08A01
B09A01

Model Number	B02A00	B03A00	B05A00	B06A00	B07A01	B08A01	B09A01
Performance							
Sensitivity(+5%,mV/g)	10(±10%)	20	50	100	200	300	500
Measurement Range(g peak)	±500	±250	±100	±50	±25	±15	±10
Broadband Resolution(g rms)	0.001	0.0005	0.0002	0.0001	0.00005	0.00004	0.00002
Non-Linearity	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	2-10k	1-10k	1-8k	1-8k	1-6k	1-4k	1-5k
Range ±10%(Hz)	1.2-12k	0.5-12k	0.5-10k	0.5-10k	0.5-8k	0.5-6k	0.5-6k
Resonance Frequency(Hz)	≥48k	≥40k	≥32k	≥29k	≥26k	≥18k	≥17k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise 10Hz (μg/√Hz)	60	30	12	6	3	2	1.2
100Hz	24	12	4.8	2.4	1.2	0.8	0.48
1000Hz	16	8	3.2	1.6	0.8	0.53	0.32
Electrical Isolation(Ω)	——	——	——	——	——	——	——
Environmental							
Sinusoidal Vibration Limit(g peak)	2200	2000	800	400	200	180	80
Shock Limit(g peak)	5500	5000	2000	1000	500	350	200
Temperature Range(℃)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	12	12.5	13	14	15	25	29.5
TEDS Optional	yes	yes	yes	yes	yes	yes	yes

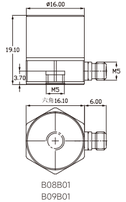
IEPE universal test type

- Universal IEPE type voltage output sensor
- Low impedance voltage signal output
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector side output





B07B01

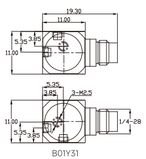


B08B01
B09B01

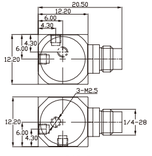
Model Number	B02B00	B03B00	B05B00	B06B00	B07B01	B08B01	B09B01
Performance							
Sensitivity(+5%,mV/g)	10(±10%)	20	50	100	200	300	500
Measurement Range(g peak)	±500	±250	±100	±50	±25	±15	±10
Broadband Resolution(g rms)	0.001	0.0005	0.0002	0.0001	0.00005	0.00004	0.00002
Non-Linearity	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	2-10k	1-10k	1-8k	1-8k	1-6k	1-4k	1-5k
Range ±10%(Hz)	1.2-12k	0.5-12k	0.5-10k	0.5-10k	0.5-8k	0.5-6k	0.5-6k
Resonance Frequency(Hz)	≥48k	≥40k	≥32k	≥29k	≥26k	≥18k	≥17k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise 10Hz (μg/√Hz)	60	30	12	6	3	2	1.2
100Hz	24	12	4.8	2.4	1.2	0.8	0.48
1000Hz	16	8	3.2	1.6	0.8	0.53	0.32
Electrical Isolation(Ω)	——	——	——	——	——	——	——
Environmental							
Sinusoidal Vibration Limit(g peak)	2200	2000	800	400	200	180	80
Shock Limit(g peak)	5500	5000	2000	1000	500	350	200
Temperature Range(℃)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	12	12.5	13.3	14.2	14.5	25	30
TEDS Optional	yes	yes	yes	yes	yes	yes	yes

IEPE universal three-axis cubic type

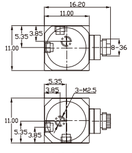
- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- 1/4-28 4-pin integrated connector output



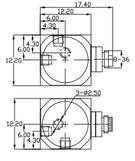
B01Y31
B02Y31
B03Y31



B05Y31
B06Y31



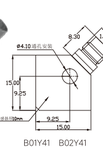
B02Y39
B03Y39



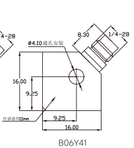
B05Y39
B06Y39

Model Number	B01Y31	B02Y31	B03Y31	B05Y31	B06Y31	B02Y39	B03Y39	B05Y39	B06Y39
Performance									
Sensitivity(+5%,mV/g)	5(±10%)	10(±10%)	20	50	100	10	20	50	100
Measurement Range(g peak)	±1000	±500	±250	±100	±50	±500	±250	±100	±50
Broadband Resolution(g rms)	0.002	0.001	0.0005	0.0002	0.0001	0.001	0.0005	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-9k	1-8k	1-8k	1-7k	1-7k	1-8k	1-8k	1-7k	1-7k
Range ±10%(Hz)	0.5-10k	0.5-10k	0.5-10k	0.5-9k	0.5-9k	0.5-10k	0.5-10k	0.5-9k	0.5-9k
Resonance Frequency(Hz)	≥70k	≥70k	≥70k	≥39k	≥35k	≥70k	≥70k	≥39k	≥35k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical									
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	300	150	75	30	15	150	75	30	15
Spectral Noise (μg/√Hz) 100Hz	80	40	20	8	4	40	20	8	4
Spectral Noise (μg/√Hz) 1000Hz	40	20	10	4	2	20	10	4	2
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—	—
Environmental									
Sinusoidal Vibration Limit(g peak)	2500	2000	1200	800	400	2000	1200	800	400
Shock Limit(g peak)	8000	5000	3000	2000	1000	5000	3000	2000	1000
Temperature Range(℃)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Physical									
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	18-36 4Pin	18-36 4Pin	18-36 4Pin	18-36 4Pin
Mounting Thread	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive
Weight(g)	4.2	4.8	4.3	6.5	7.6	4.5	4.6	6	7.5
TEDS Optional	yes	yes	yes	yes	yes	yes	yes	yes	yes

IEPE universal three-axis through-hole type



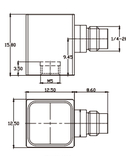
B01Y41 B02Y41
B03Y41 B05Y41



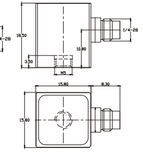
B06Y41

- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- 1/4-28 4-pin integrated connector output

IEPE three-axis to ground insulation type



B02YG1
B03YG1



B06YG1

- Miniature built-in integrated circuits
- Three axis cubic design, one point multi axis measurement
- Memory alloy fasteners, stable and reliable
- Integrated insulation, connected cable output

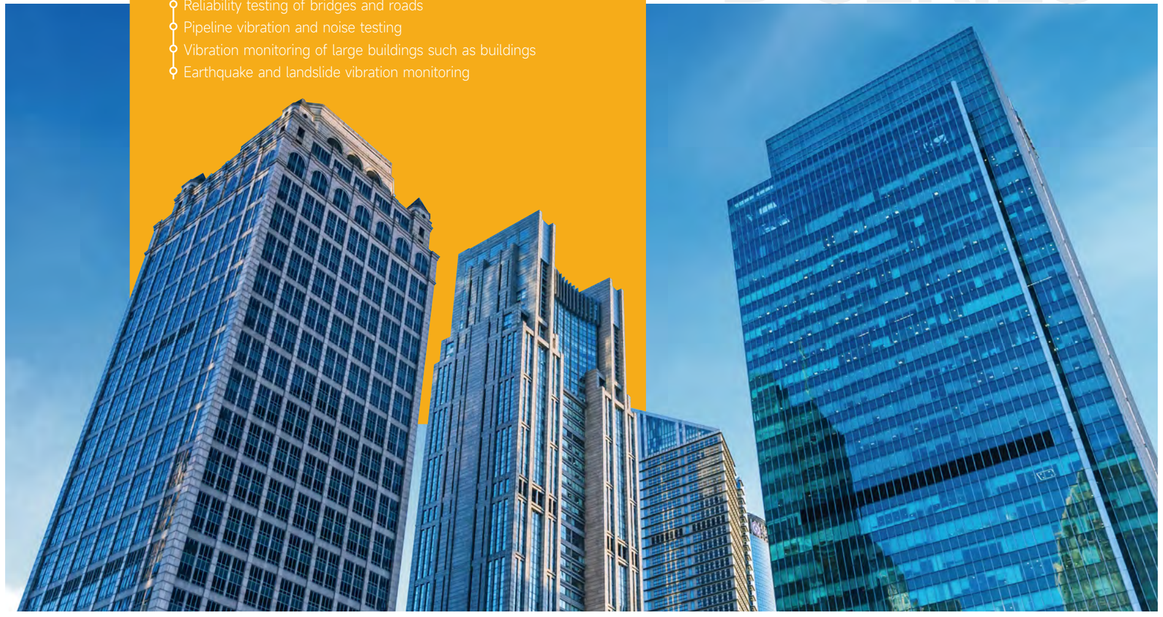
Model Number	B01Y41	B02Y41	B03Y41	B05Y41	B06Y41	B02YG1	B03YG1	B06YG1
Performance								
Sensitivity(+5%,mV/g)	5(±10%)	10(±10%)	20	50	100	10	20	100
Measurement Range(g peak)	±1000	±500	±250	±100	±50	±500	±250	±50
Broadband Resolution(g rms)	0.002	0.001	0.0005	0.0002	0.0001	0.001	0.0005	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	2-9k	1-9k	1-9k	1-8k	1-8k	1-8k	1-8k	1-8k
Range ±10%(Hz)	1-11k	0.5-11k	0.5-11k	0.5-10k	0.5-10k	0.5-10k	0.5-10k	0.5-9k
Resonance Frequency(Hz)	≥70k	≥70k	≥60k	≥40k	≥37k	≥50k	≥50k	≥30k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	300	150	75	30	15	150	75	120
Spectral Noise (μg/√Hz) 100Hz	80	40	20	8	4	40	20	30
Spectral Noise (μg/√Hz) 1000Hz	40	20	10	4	2	20	10	8
Electrical Isolation(Ω)	—	—	—	—	—	≥1×10⁸	≥1×10⁸	≥1×10⁸
Environmental								
Sinusoidal Vibration Limit(g peak)	2500	2000	1200	800	400	2000	1200	500
Shock Limit(g peak)	6000	5000	3000	2000	1000	5000	3000	1000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-40-120	-40-120	-40-120
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Mounting Thread	M4 Through hole	M4 Through hole	M4 Through hole	M4 Through hole	M4 Through hole	M5	M5	M5
Weight(g)	7.6	8	8	8.5	12	9.5	9.5	18
TEDS Optional	yes	yes	yes	yes	yes	No	No	No

B-series IEPE voltage output type

IEPE low-frequency measurement and high sensitivity accelerometer

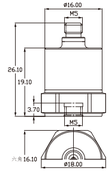
- Reliability testing of bridges and roads
- Pipeline vibration and noise testing
- Vibration monitoring of large buildings such as buildings
- Earthquake and landslide vibration monitoring

B SERIES

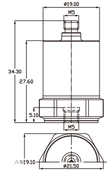


IEPE low-frequency measurement type

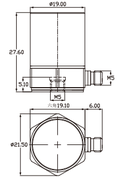
- Ultra-low frequency built-in integrated circuit
- Designed for low-frequency test measurements
- Alloy fasteners, stable and reliable shear structure
- Multiple output and mounting options available



B06A04
B10A06

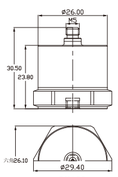


B10A01

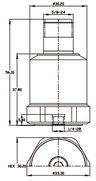


Model Number	B06A04	B10A01	B10B01	B10A06
Performance				
Sensitivity(+5%,mV/g)	100	1000	1000	1000
Measurement Range(g peak)	±50	±5	±5	±5
Broadband Resolution(g rms)	0.0001	0.00001	0.00001	0.00001
Non-Linearity	1%	1%	1%	1%
Frequency Range ± 5 %(Hz)	0.1-6k	0.06-2k	0.06-2k	2-10k
Frequency Range ±10%(Hz)	0.05-7k	0.04-3k	0.04-3k	1-12k
Resonance Frequency(Hz)	≥25k	≥13k	≥13k	≥35k
Discharge Time Constant(s)	≤1	≥10	≥10	≤5
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	6	0.6	0.6	3.8
Spectral Noise (μg/√Hz) 100Hz	2.4	0.24	0.24	1.4
Spectral Noise (μg/√Hz) 1000Hz	1.6	0.16	0.16	1.1
Electrical Isolation(Ω)	——	≥1x10⁸	≥1x10⁸	—
Environmental				
Sinusoidal Vibration Limit(g peak)	400	40	40	1000
Shock Limit(g peak)	1000	100	100	3000
Temperature Range(℃)	-40~120	-40~120	-40~120	-40-80
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	titanium alloy
Electrical Connector	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M5	M5	M5	M5
Weight(g)	24	60	60	25
TEDS Optional	yes	yes	yes	yes

IEPE high sensitivity type

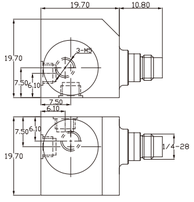


B11A00
B12A00



B11A53
B12A53

- Built-in low-noise integrated circuit
- Large sensitivity design
- Special core structure design ensures
- Shape structure can be customized

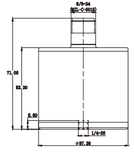


- Built-in low-noise integrated circuit
- Large sensitivity design
- Alloy fasteners, stable and reliable shear structure
- Triaxial standard with insulated mounting kit

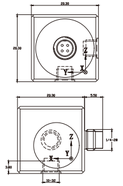
Model Number	B11A53	B12A53
Performance		
Sensitivity(+5%,mV/g)	5000	10000
Measurement Range(g peak)	±1	±0.5
Broadband Resolution(g rms)	0.000002	0.000003
Non-Linearity	1%	1%
Frequency ± 5 %(Hz)	0.15-1k	0.15-1k
Range ±10%(Hz)	0.1-2k	0.1-2k
Resonance Frequency(Hz)	≥7k	≥7k
Discharge Time Constant(s)	≥10	≥10
Transverse Sensitivity	≤5%	≤5%
Electrical		
Excitation Voltage(VDC)	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20
Output Impedance(Ω)	≤100	≤100
Output Bias Voltage(V)	8-12	8-12
Spectral Noise (μg/√Hz) 1Hz	0.7	0.73
Spectral Noise (μg/√Hz) 10Hz	0.5	0.13
Spectral Noise (μg/√Hz) 100Hz	0.08	0.1
Electrical Isolation(Ω)	≥1×10⁸	≥1×10⁸
Environmental		
Sinusoidal Vibration Limit(g peak)	80	80
Shock Limit(g peak)	200	200
Temperature Range(℃)	-40-85	-40-85
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel
Electrical Connector	5015 2pin	5015 2pin
Mounting Thread	1/4-28	1/4-28
Weight(g)	227	227
TEDS Optional	yes	yes

Model Number	B11A00	B12A00	B09Y35	B09Y36	B10Y35	B10Y36
Performance						
Sensitivity(+5%,mV/g)	5000	10000	500	500	1000	1000
Measurement Range(g peak)	±1	±0.5	±10	±10	±5	±5
Broadband Resolution(g rms)	0.000004	0.000006	0.00002	0.00002	0.00001	0.00001
Non-Linearity	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	0.5-1k	0.5-1k	0.5-5k	0.5-8k	0.5-5k	0.5-8k
Range ±10%(Hz)	0.3-1.5k	0.3-1.5k	0.3-6k	0.3-10k	0.3-6k	0.3-10k
Resonance Frequency(Hz)	≥8k	≥8k	≥32k	≥32k	≥32k	≥32k
Discharge Time Constant(s)	≥10	≥10	≥2	≥2	≥2	≥2
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical						
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	0.1	0.15	3.8	3.8	4.2	4.2
Spectral Noise (μg/√Hz) 100Hz	0.08	0.12	1.4	1.4	1.6	1.6
Spectral Noise (μg/√Hz) 1000Hz	0.03	0.05	0.6	0.6	0.8	0.8
Electrical Isolation(Ω)	—	—	—	—	—	—
Environmental						
Sinusoidal Vibration Limit(g peak)	80	80	3000	3000	400	400
Shock Limit(g peak)	200	200	5000	5000	1000	1000
Temperature Range(℃)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Physical						
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 4Pin	M5/10-32 4Pin	M5/10-32 4Pin	M5/10-32 4Pin
Mounting Thread	M5	M5	M5	M5	M5	M5
Weight(g)	130	130	37	37	37	37
TEDS Optional	yes	yes	yes	yes	yes	yes

IEPE high sensitivity type



B11A51 B12A51



B10Y32

- Built-inlow-noise integrated circuit
- Large sensitivity design
- Alloy fasteners, stable and reliable shear structure
- Triaxial standard with insulated mounting kit

Model Number	B11A51	B12A51	B10Y32
Performance			
Sensitivity(+5%,mV/g)	5000	10000	1000
Measurement Range(g peak)	±1	±0.5	±5
Broadband Resolution(g rms)	0.000001	0.000001	0.00008
Non-Linearity	1%	1%	1%
Frequency ± 5 %(Hz)	0.1-400	0.1-400	0.5-3k
Range ±10%(Hz)	0.05-500	0.05-500	0.3-5k
Resonance Frequency(Hz)	≥1.2k	≥1.2k	≥32k
Discharge Time Constant(s)	≥10	≥10	≥2
Transverse Sensitivity	≤5%	≤5%	≤5%
Electrical			
Excitation Voltage(VDC)	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	0.05	0.06	11.4
Spectral Noise (μg/√Hz) 100Hz	0.01	0.01	4
Spectral Noise (μg/√Hz) 1000Hz	0.003	0.004	1.2
Electrical Isolation(Ω)	≥1×10⁸	≥1×10⁸	—
Environmental			
Sinusoidal Vibration Limit(g peak)	20	20	400
Shock Limit(g peak)	100	100	1000
Temperature Range(℃)	-40-85	-40-85	-40-85
Physical			
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	5015 2pin	5015 2pin	1/4-28 4pin
Mounting Thread	1/4-28	1/4-28	M5
Weight(g)	1100	1100	32.5
TEDS Optional	yes	yes	yes

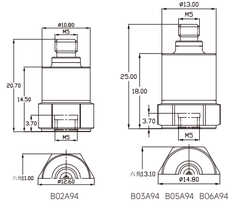
B SERIES

B-series IEPE voltage output type

IEPE universal test type accelerometer

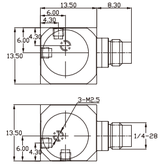
- Nuclear power equipment monitoring
- Gas turbine development testing
- High temperature bearing vibration test
- Automotive engine testing

IEPE high-temperature type



B02A94 B03A94 B05A94 B06A94

- Integrated high-temperature built-in integrated circuit
- Miniature and light weight
- Alloy fasteners, and the shear structure is stable and reliable
- High quality piezoelectric materials, low temperature drift
- M5/10-32 electrical connector top output



- Integrated high-temperature built-in integrated circuit
- Miniature and light weight
- Alloy fasteners, and the shear structure is stable and reliable
- High quality piezoelectric materials, low temperature drift
- 1/4-28 4-pin integrated connector output

Model Number	B02A94	B03A94	B05A94	B06A94	B01Y94	B02Y94	B05Y94	B06Y94
Performance								
Sensitivity(+5%,mV/g)	10(±10%)	20	50	100	5(±10%)	10(±10%)	50	100
Measurement Range(g peak)	±500	±250	±100	±50	±1000	±500	±100	±50
Broadband Resolution(g rms)	0.001	0.0005	0.0002	0.0001	0.002	0.001	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-10k	1-10k	1-10k	1-9k	1-8k	1-8k	1-8k	1-8k
Range ±10%(Hz)	0.5-13k	0.5-13k	0.5-13k	0.5-11k	0.5-10k	0.5-10k	0.5-10k	0.5-10k
Resonance Frequency(Hz)	≥48k	≥45k	≥32k	≥29k	≥70k	≥70k	≥45k	≥38k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-14	8-14	8-14	8-14	8-14	8-14	8-14	8-14
Spectral Noise ($\mu g/\sqrt{Hz}$) 10Hz	60	30	12	6	120	60	12	6
100Hz	24	12	4.8	2.4	48	24	4.8	2.4
1000Hz	16	8	3.2	1.6	32	16	3.2	1.6
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—
Environmental								
Sinusoidal Vibration Limit(g peak)	2200	3000	800	400	2500	2000	800	400
Shock Limit(g peak)	5500	5000	2000	1000	8000	5000	2000	1000
Temperature Range(°C)	-50~160	-50~160	-50~160	-50~160	-50~160	-50~160	-50~160	-50~160
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Mounting Thread	M5	M5	M5	M5	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive
Weight(g)	9	14	17	17	7.3	7	8.2	9.5
TEDS Optional	No	No	No	No	No	No	No	No

B-series IEPE voltage output type

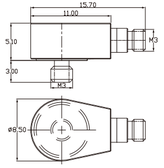
IEPE miniature accelerometer

- Dynamics research
- Modal testing
- Vibration and noise monitoring
- Circuit board testing

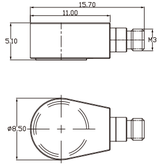
B SERIES

IEPE micro uniaxial type

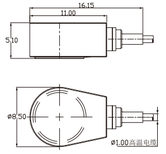
- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- Multiple output formats, mountingformats, ranges available
- Side M3 or integral cable output



B00BM1 B00BM2



B01BM1

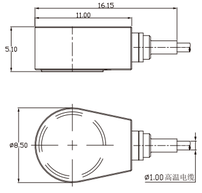


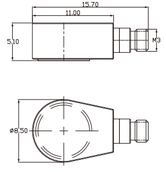
B01CM1

Model Number	B00BM1	B00BM2	B01BM1	B01CM1
Performance				
Sensitivity(+10%,mV/g)	1	2	5	5
Measurement Range(g peak)	±5000	±2500	±1000	±1000
Broadband Resolution(g rms)	0.01	0.005	0.002	0.002
Non-Linearity	1%	1%	1%	1%
Frequency ± 5 %(Hz)	—	—	3-10k	3-10k
Range ±10%(Hz)	5-10k	5-10k	2-12k	2-12k
Resonance Frequency(Hz)	≥60k	≥60k	≥65k	≥65k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	1500	750	300	300
100Hz	400	200	80	80
1000Hz	200	100	40	40
Electrical Isolation(Ω)	—	—	—	—
Environmental				
Sinusoidal Vibration Limit(g peak)	6000	4000	2500	2500
Shock Limit(g peak)	10000	8000	6000	6000
Temperature Range(℃)	-50~120	-50~120	-50~120	-50~120
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M3 Coaxial	M3 Coaxial	M3 Coaxial	coaxial
Mounting Thread	Adhesive	Adhesive	Adhesive	Adhesive
Weight(g)	1.5	1.5	1	1
TEDS Optional	No	No	No	No

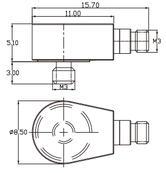
IEPE micro uniaxial type

- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- Multiple output formats, mounting formats, ranges availableIntegral cable side output





B05BM1 B06BM1

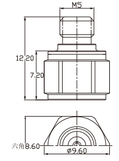


B05BM3 B06BM3

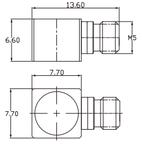
Model Number	B02CM1	B03CM1	B05CM1	B06CM1	B05BM1	B05BM3	B06BM1	B06BM3
Performance								
Sensitivity(+5%,mV/g)	10(±10%)	20	50	100	50	50	100	100
Measurement Range(g peak)	±500	±250	±100	±50	±100	±100	±50	±50
Broadband Resolution(g rms)	0.001	0.0005	0.0002	0.0001	0.0002	0.0002	0.0001	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k
Range ±10%(Hz)	0.5-11k	0.5-11k	0.5-11k	0.5-11k	0.5-11k	0.5-11k	0.5-11k	0.5-11k
Resonance Frequency(Hz)	≥59k	≥38k	≥38k	≥38k	≥38k	≥38k	≥37k	≥37k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	150	75	30	15	30	30	15	15
100Hz	40	20	8	4	8	8	4	4
1000Hz	20	10	4	2	4	4	2	2
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—
Environmental								
Sinusoidal Vibration Limit(g peak)	2000	1200	800	400	800	800	400	400
Shock Limit(g peak)	5000	3000	2000	1000	2000	2000	1000	1000
Temperature Range(℃)	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	coaxial	coaxial	coaxial	coaxial	M3 Side	M3 Side	M3 Side	M3 Side
Mounting Thread	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	M3 coaxial	Adhesive	M3 coaxial
Weight(g)	1	1	1.5	1.9	1.5	1.7	2.1	2.2
TEDS Optional	No	No	No	No	No	No	No	No

IEPE micro modal testing type

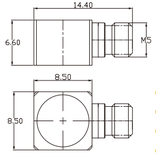
- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- Multiple output formats, mounting formats, ranges available
- M5/10-32 electrical connector output



B05AM6 B06AM6



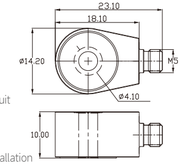
B05BM6



B06BM6

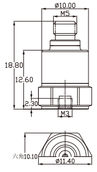
IEPE uniaxial modal testing type

- Integrated micro-miniature built-in integrated circuit
- Small size and light weight
- Multiple output forms and ranges optional
- Special structure design, center through-hole installation
- Alloy fasteners, stable and reliable
- M5/10-32 electrical connector side output

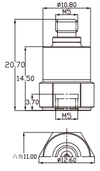


Model Number	B05AM6	B05BM6	B06AM6	B06BM6	B02B10	B03B10	B05B10	B06B10
Performance								
Sensitivity(+5%,mV/g)	50	50	100	100	10(±10%)	20	50	100
Measurement Range(g peak)	±100	±100	±50	±50	±500	±250	±100	±50
Broadband Resolution(g rms)	0.0002	0.0002	0.0001	0.0001	0.001	0.0005	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-12k	1-12k	1-10k	1-10k	1-10k	1-10k	1-10k	1-7k
Range ±10%(Hz)	0.5-14k	0.5-14k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-10k
Resonance Frequency(Hz)	≥40k	≥40k	≥38k	≥38k	≥40k	≥40k	≥40k	≥38k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	30	30	15	15	150	75	30	15
100Hz	8	8	4	4	40	20	8	4
1000Hz	4	4	2	2	20	10	4	2
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—
Environmental								
Sinusoidal Vibration Limit(g peak)	800	800	400	400	2200	2000	800	400
Shock Limit(g peak)	2000	2000	1000	1000	5500	5000	2000	1000
Temperature Range(℃)	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M5/10-32 Top	M5/10-32 Side	M5/10-32 Top	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	Adhesive	Adhesive	Adhesive	Adhesive	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole
Weight(g)	2.1	2.1	2.5	2.7	6	6	6.5	8
TEDS Optional	No	No	No	No	No	No	No	No

IEPE small uniaxial type

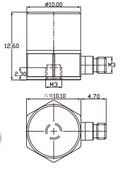


B01A01
B02A01
B03A02

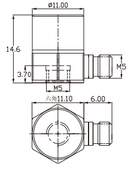


B05A06
B06A14

- Integrated micro-miniature circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector top output



B01B01
B02B01
B03B03



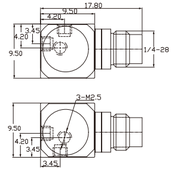
B05B06
B06B14

- Integrated micro-miniature circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector side output

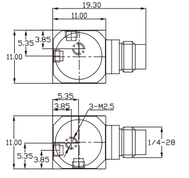
Model Number	B01A01	B02A01	B03A02	B05A06	B06A14	B01B01	B02B01	B03B03	B05B06	B06B14
Performance										
Sensitivity(+5%,mV/g)	5(±10%)	10(±10%)	20	50	100	5(±10%)	10(±10%)	20	50	100
Measurement Range(g peak)	±1000	±500	±250	±100	±50	±1000	±500	±250	±100	±50
Broadband Resolution(g rms)	0.002	0.001	0.0005	0.0002	0.0001	0.002	0.001	0.0005	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k	1-10k
Range ±10%(Hz)	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k	0.5-12k
Resonance Frequency(Hz)	≥90k	≥65k	≥60k	≥44k	≥37k	≥90k	≥65k	≥60k	≥44k	≥37k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical										
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	300	150	75	30	15	300	150	75	30	15
Spectral Noise (μg/√Hz) 100Hz	80	40	20	8	4	80	40	20	8	4
Spectral Noise (μg/√Hz) 1000Hz	40	20	10	4	2	40	20	10	4	2
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—	—	—
Environmental										
Sinusoidal Vibration Limit(g peak)	4000	3000	2000	800	400	4000	3000	2000	800	400
Shock Limit(g peak)	8000	8000	5000	2000	1000	8000	8000	5000	2000	1000
Temperature Range(℃)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Physical										
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	304L/TC4	304L/TC4	304L/TC4	304L/TC4	titanium alloy	304L/TC4	304L/TC4	304L/TC4	304L/TC4	titanium alloy
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M3 Side	M3 Side	M3 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M3	M3	M3	M5	M5	M3	M3	M3	M5	M5
Weight(g)	6/4.5	6/4.5	6/4.5	8.5/5	5.3	5.5/4	5.5/4	5.5/4	8.5/5	5.3
TEDS Optional	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

IEPE small triaxial type

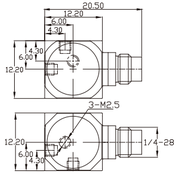
- Integrated micro-miniaturebuilt-in integrated circuit
- Small size and light weight
- Alloy fasteners, stable and reliable
- 1/4-28 4-pin integrated connector output



B01Y32 B02Y32 B03Y32



B05Y32



B06Y32

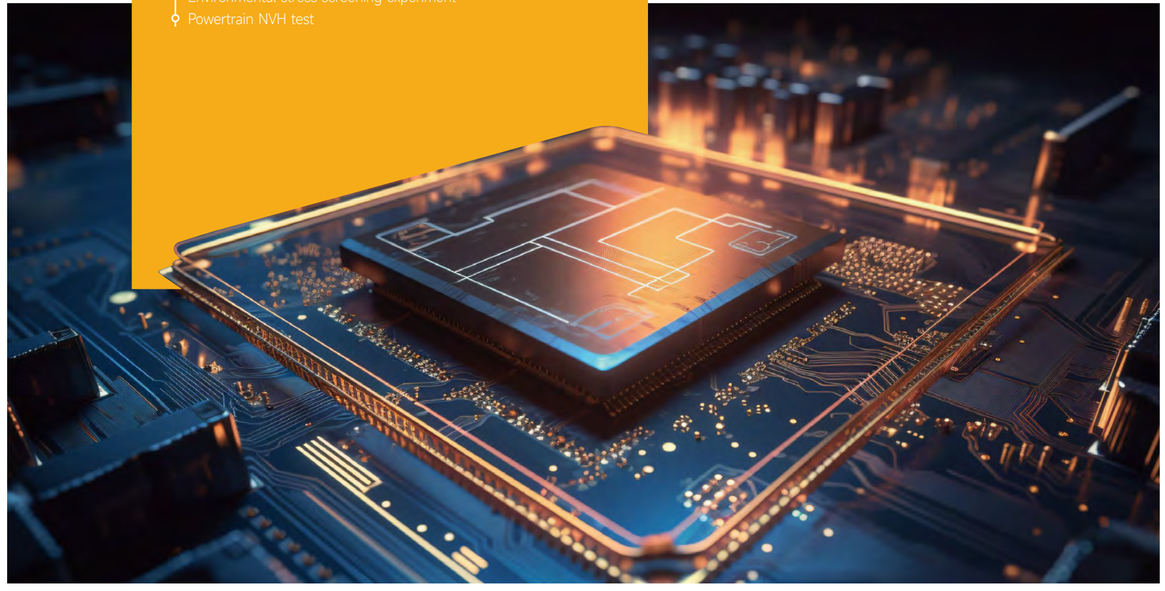
Model Number	B01Y32	B02Y32	B03Y32	B05Y32	B06Y32
Performance					
Sensitivity(+5%,mV/g)	5(±10%)	10(±10%)	20	50	100
Measurement Range(g peak)	±1000	±500	±250	±100	±50
Broadband Resolution(g rms)	0.002	0.001	0.0005	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-10k	1-10k	1-10k	1-10k	1-10k
Range ±10%(Hz)	0.5-11k	0.5-11k	0.5-11k	0.5-11k	0.5-11k
Resonance Frequency(Hz)	≥70k	≥70k	≥52k	≥45k	≥38k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical					
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	300	150	75	30	15
Spectral Noise (μg/√Hz) 100Hz	80	40	20	8	4
Spectral Noise (μg/√Hz) 1000Hz	40	20	10	4	2
Electrical Isolation(Ω)	—	—	—	—	—
Environmental					
Sinusoidal Vibration Limit(g peak)	2500	2000	1200	800	400
Shock Limit(g peak)	6000	5000	3000	2000	1000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120
Physical					
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics	Piezoelectric ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Mounting Thread	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive
Weight(g)	3.3	3.4	3.5	5.5	7.5
TEDS Optional	yes	yes	yes	yes	yes

B-series IEPE voltage output type

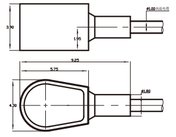
IEPE miniature accelerometer

- Drop test and packaging test
- Small component testing
- Environmental stress screening experiment
- Powertrain NVH test

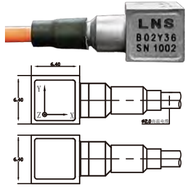
B SERIES



IEPE micro type



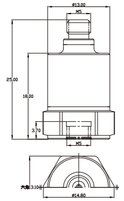
- Compact miniaturization design, small size, light weight, more suitable for small structure measurement
- A full range of memory alloy fasteners, stable and reliable, high frequency response characteristics
- Cables connected at both ends



- Adopts titanium alloy shell, triaxial cubic design, one point multi-axial measurement
- The whole series uses memory alloy fasteners, shear structure, stable and reliable
- Bonding installation is convenient and fast

Model Number	B01CM5	B02CM5	B01Y36	B02Y36
Performance				
Sensitivity(+10%,mV/g)	5	10	5(±20%)	10(±20%)
Measurement Range(g peak)	±1250	±500	±1000	±500
Broadband Resolution(g rms)	0.0025	0.001	0.002	0.001
Non-Linearity	≤1%	≤1%	≤1%	≤1%
Frequency ± 5 %(Hz)	3-10k	5-10k	5-10k	5-8k
Range ±10%(Hz)	2-12k	2-12k	2-12k	2-10k
Resonance Frequency(Hz)	≥50k	≥50k	≥50k	≥50k
Broadband Resolution(s)	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Excitation Voltage(V DC)	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20
Full Range Voltage(V)	±5	±5	±5	±5
Maximum Overrange Output(V)	±6	±6	±6	±6
Output Impedance(Ω)	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12
Environmental				
Maximum Shock¹ (gpk)	2000	2000	3000	2000
Maximum Vibration² (grms)	1500	1500	2000	1500
Sensitivity Temperature Coefficient(%/℃)	-0.1	-0.13	-0.1	-0.13
Operation Temperature(℃)	-50~120	-50~100	-50~100	-50~100
Sealing	Welding	Welding	Welding	Welding
Physical				
Sensing Element	Ceramic/Shear	Ceramic/Shear	Ceramic/Shear	Ceramic/Shear
Housing Material	Titanium Alloy	Titanium Alloy	Titanium Alloy	Titanium Alloy
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug	One-piece four-core cable	One-piece four-core cable
Mounting	Adhesive	Adhesive	Adhesive	Adhesive
Electrical Isolation (Ω)	——	——	——	——
Weight (g)	0.35	0.35	1	1
Mounting Torque (N·m)	——	——	——	——
TEDS Optional	No	No	No	No

IEPE ultra-high frequency type



- Built in low-noise integrated circuit
- High sensitivity, suitable for structural testing
- Memory alloy fasteners, stable and reliable
- Three axis standard insulation installation components

Model Number		B02A92	B02A92D
Performance			
Sensitivity(+10%,mV/g)		10	10
Measurement Range(g peak)		±500	±500
Broadband Resolution(g rms)		0.001	0.001
Non-Linearity		1%	1%
Frequency Range	± 5 %(Hz)	1-20k	1-20k
	±10%(Hz)	0.5-21k	0.5-21k
Resonance Frequency(Hz)		≥50k	≥50k
Discharge Time Constant(s)		≤1	≤1
Transverse Sensitivity		≤5%	≤5%
Electrical			
Excitation Voltage(VDC)		20-30	20-30
Constant Current Excitation(mA)		2-20	2-20
Output Impedance(Ω)		≤100	≤100
Output Bias Voltage(V)		8-12	8-14
Spectral Noise (μg/√Hz)	10Hz	60	60
	100Hz	24	24
	1000Hz	16	16
Electrical Isolation(Ω)		—	—
Environmental			
Sinusoidal Vibration Limit(g peak)		1200	1200
Shock Limit(g peak)		3500	3500
Temperature Range(°C)		-55-125	-55-160
Physical			
Sealing		Laser welding IP68	Laser welding IP68
Sensing Element		Piezoelectric ceramics	Piezoelectric ceramics
Housing Material		Stainless steel	Stainless steel
Electrical Connector		M5/10-32 Top	M5/10-32 Top
Mounting Thread		M5	M5
Weight(g)		14	14
TEDS Optional		No	No

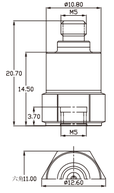
B-series IEPE voltage output type

IEPE impact and large vibration type accelerometer

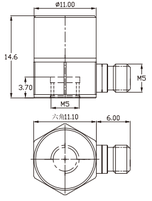
B SERIES

- Drop and impact testing
- Mechanical impact testing

IEPE uniaxial impact type



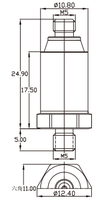
- Integrated micro-miniature built-in integrated circuit
- Large vibration and shock testing
- Alloy fasteners, stable and reliable
- Multiple output formats and ranges available
- M5/10-32 electrical connector top output



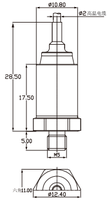
- Integrated micro-miniature built-in integrated circuit
- Large vibration and shock testing
- Alloy fasteners, stable and reliable
- Multiple output formats and ranges available
- M5/10-32 electrical connector side output

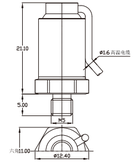
Model Number	B00A01	B00A00	B00A07	B01A08	B00B01	B00B00	B00B07	B01B08
Performance								
Sensitivity(+10%,mV/g)	0.5	1	2	5	0.5	1	2	5
Measurement Range(g peak)	±10000	±5000	±2500	±1000	±10000	±5000	±2500	±1000
Broadband Resolution(g rms)	0.02	0.01	0.005	0.002	0.02	0.01	0.005	0.002
Non-Linearity	3%	1%	1%	1%	3%	1%	1%	1%
Frequency ± 5 %(Hz)	——	——	——	3-11k	——	——	——	3-11k
Range ±10%(Hz)	10-11k	5-11k	5-11k	2-13k	10-11k	5-11k	5-11k	2-13k
Resonance Frequency(Hz)	≥50k	≥50k	≥50k	≥50k	≥50k	≥50k	≥50k	≥50k
Discharge Time Constant(s)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	3000	1500	750	300	3000	1500	750	300
Spectral Noise (μg/√Hz) 100Hz	800	400	200	80	800	400	200	80
Spectral Noise (μg/√Hz) 1000Hz	400	200	100	40	400	200	100	40
Electrical Isolation(Ω)	——	——	——	——	——	——	——	——
Environmental								
Sinusoidal Vibration Limit(g peak)	——	6000	3500	3000	——	6000	3500	3000
Shock Limit(g peak)	13000	10000	7000	8000	13000	10000	7000	8000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M5	M5	M5	M5	M5	M5	M5	M5
Weight(g)	7.8	7.8	8	8	7.8	7.8	8	8
TEDS Optional	No	No	No	No	No	No	No	No

IEPE uniaxial impact type



- Integrated micro-miniature built-in integrated circuit
- Large vibration and shock testing
- Alloy fasteners, stable and reliable
- Multiple output formats and ranges available
- M5/10-32 electrical connector top output

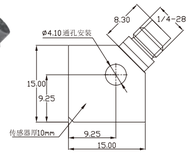




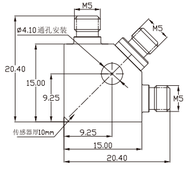
- Integrated micro-miniature built-in integrated circuit
- Large vibration and shock testing
- Alloy fasteners, stable and reliable
- Multiple output formats and ranges available
- M5/10-32 electrical connector top output

Model Number	B00AG5	B00AG3	B00AG4	B00AG1	B00AG2	B00CG6	B00CG1	B00CG2	B00CG3
Performance									
Sensitivity(+10%,mV/g)	0.17	0.25	0.5	1	2	0.1	0.25	0.5	1
Measurement Range(g peak)	±30000	±20000	±10000	±5000	±2500	±50000	±20000	±10000	±5000
Broadband Resolution(g rms)	0.05	0.04	0.02	0.01	0.005	0.1	0.04	0.02	0.01
Non-Linearity	3%	3%	3%	1%	1%	5%	5%	3%	3%
Frequency ± 5 %(Hz)	——	——	——	——	——	——	——	——	——
Range ±10%(Hz)	10-11k	10-11k	10-11k	5-11k	5-11k	10-15k	10-11k	10-11k	5-11k
Resonance Frequency(Hz)	≥70k	≥70k	≥70k	≥60k	≥60k	≥100k	≥70k	≥70k	≥60k
Discharge Time Constant(s)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical									
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	8820	6000	3000	1500	750	30000	6000	3000	1500
Spectral Noise (μg/√Hz) 100Hz	2350	1600	800	400	200	8000	1600	800	400
Spectral Noise (μg/√Hz) 1000Hz	1180	800	400	200	100	4000	800	400	200
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Environmental									
Sinusoidal Vibration Limit(g peak)	——	——	——	6000	4000	——	——	——	6000
Shock Limit(g peak)	35000	24000	12000	10000	8000	80000	24000	12000	10000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120
Physical									
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	coaxial	coaxial	coaxial	coaxial
Mounting Thread	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male	M5/M6x0.75 Male
Weight(g)	7.7	7.7	7.7	7.7	7.7	10	10	10	10
TEDS Optional	No	No	No	No	No	No	No	No	No

IEPE triaxial impact type



- Integrated micro-miniature built-in integrated circuit
- Triaxial through-hole design,360°free fixing
- Alloy fasteners, stable and reliable
- Adhesive or screw mounting



- Integrated micro-miniature built-in integrated circuit
- Triaxial through-hole design,360°free fixing
- Alloy fasteners, stable and reliable
- Adhesive or screw mounting

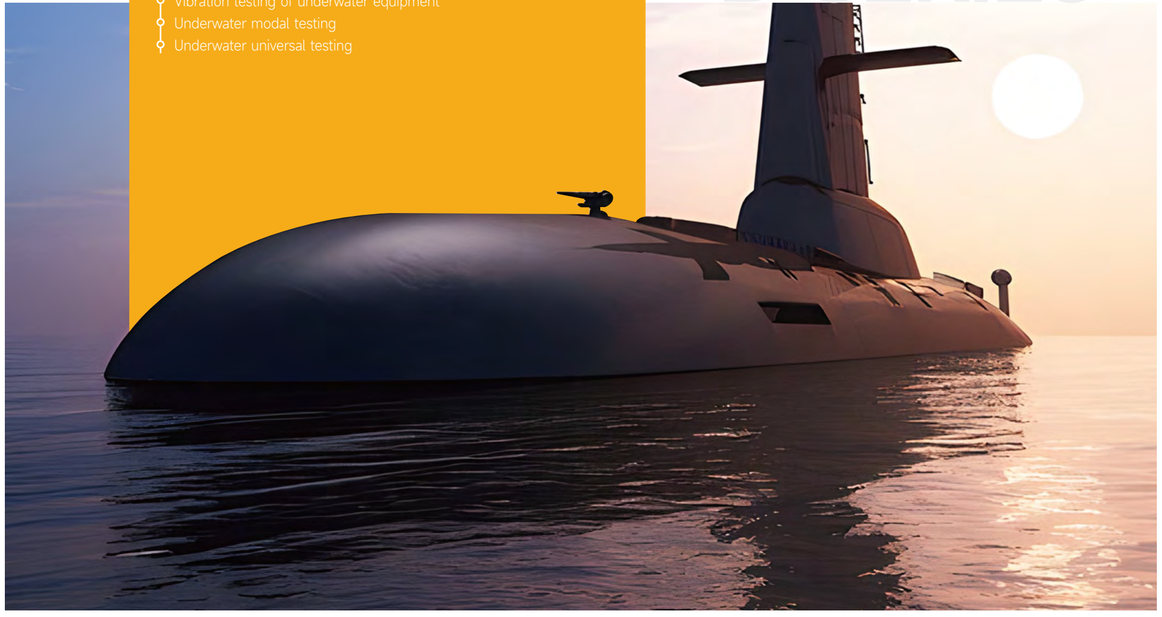
Model Number	B00Y44	B00Y43	B00Y47	B00Y46	B00Y40	B00Y48
Performance						
Sensitivity(+10%,mV/g)	0.5	1	2	0.25	0.5	1
Measurement Range(g peak)	±10000	±5000	±2500	±20000	±10000	±5000
Broadband Resolution(g rms)	0.02	0.01	0.005	0.04	0.02	0.01
Non-Linearity	3%	1%	1%	3%	3%	1%
Frequency Range ± 5 %(Hz)	—	—	—	—	—	—
Frequency Range ±10%(Hz)	10-10k	10-10k	5-10k	10-11k	10-10k	5-10k
Resonance Frequency(Hz)	≥70k	≥70k	≥70k	≥70k	≥70k	≥70k
Discharge Time Constant(s)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical						
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	3000	1500	750	6000	3000	1500
Spectral Noise (μg/√Hz) 100Hz	800	400	200	1600	800	400
Spectral Noise (μg/√Hz) 1000Hz	400	100	100	800	400	100
Electrical Isolation(Ω)	—	—	—	—	—	—
Environmental						
Sinusoidal Vibration Limit(g peak)	—	6000	4000	—	—	6000
Shock Limit(g peak)	12000	10000	8000	24000	12000	10000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120
Physical						
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	M5/10-32 x3	M5/10-32 x3	M5/10-32 x3
Mounting Thread	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole
Weight(g)	7.8	7.8	7.8	8.5	8.5	8.5
TEDS Optional	No	No	No	No	No	No

B-series IEPE voltage output type

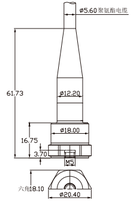
IEPE water tight accelerometer

B SERIES

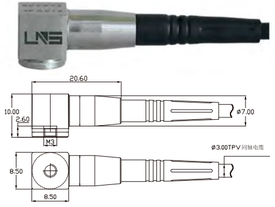
- Vibration testing of underwater equipment
- Underwater modal testing
- Underwater universal testing



IEPE single axis water tight type



- IEPE type with built-in integrated circuit
- Water resistant pressure up to 5Mpa
- Shear type core body, stable and reliable
- Standard series, multiple ranges available

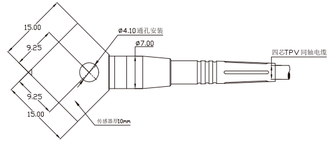


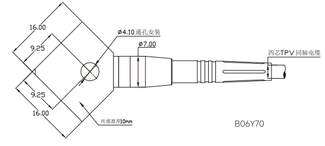
- IEPE type with built-in integrated circuit
- Water resistant pressure up to 2Mpa
- Alloy fasteners, stable and reliable
- Integral cable, multiple ranges available

Model Number	B02A71	B03A71	B05A71	B06A71	B00B72	B02B72	B05B72	B06B72
Performance								
Sensitivity(+5%,mV/g)	10(±10%)	20	50	100	2(±10%)	10(±10%)	50	100
Measurement Range(g peak)	±500	±250	±100	±50	±2500	±500	±100	±50
Broadband Resolution(g rms)	0.001	0.0005	0.0002	0.0001	0.005	0.001	0.0002	0.0001
Non-Linearity	1%	1%	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-10k	1-10k	1-8k	1-7k	10-8k	1-8k	1-8k	1-8k
Range ±10%(Hz)	0.5-11k	0.5-11k	0.5-10k	0.5-8k	5-10k	0.5-10k	0.5-10k	0.5-10k
Resonance Frequency(Hz)	≥50k	≥50k	≥50k	≥35k	≥80k	≥50k	≥50k	≥50k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical								
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	60	30	12	6	750	150	30	15
Spectral Noise (μg/√Hz) 100Hz	24	12	4.8	2.4	200	40	8	4
Spectral Noise (μg/√Hz) 1000Hz	16	8	3.2	1.6	100	20	4	2
Electrical Isolation(Ω)	—	—	—	—	—	—	—	—
Environmental								
Sinusoidal Vibration Limit(g peak)	3000	2000	1000	400	3000	2200	800	400
Shock Limit(g peak)	8000	5000	4000	3000	7000	5500	2000	1000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120
Physical								
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial
Mounting Thread	M5	M5	M5	M5	M3	M3	M3	M3
Weight(g)	15	15	15	25	9	9	9	9
TEDS Optional	yes	yes	yes	yes	yes	yes	yes	yes

IEPE triaxial water tight type

- IEPE type with built-in integrated circuit
- Water resistant pressure up to 2Mpa
- Alloy fasteners, stable and reliable
- Integral cable, multiple ranges available



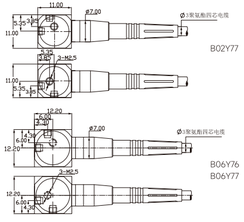


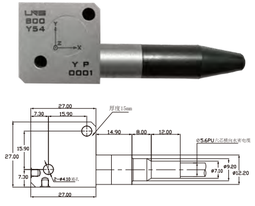
B06Y70

Model Number	B00Y71	B01Y71	B02Y70	B03Y70	B05Y70	B06Y70
Performance						
Sensitivity(+5%,mV/g)	0.5(±10%)	5(±10%)	10(±10%)	20	50	100
Measurement Range(g peak)	±10000	±1000	±500	±250	±100	±50
Broadband Resolution(g rms)	0.02	0.002	0.001	0.0005	0.0002	0.0001
Non-Linearity	3%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	—	2-9k	1-6k	1-6k	1-6k	1-5k
Range ±10%(Hz)	10-11k	1-11k	0.5-7k	0.5-7k	0.5-7k	0.5-6k
Resonance Frequency(Hz)	≥70k	≥70k	≥30k	≥30k	≥28k	≥25k
Discharge Time Constant(s)	≤0.5	≤1	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical						
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	3000	300	150	75	30	15
Spectral Noise (μg/√Hz) 100Hz	800	80	40	20	8	4
Spectral Noise (μg/√Hz) 1000Hz	400	40	20	10	4	2
Electrical Isolation(Ω)	—	—	—	—	—	—
Environmental						
Sinusoidal Vibration Limit(g peak)	—	2500	2000	1200	800	400
Shock Limit(g peak)	12000	6000	5000	3000	2000	1000
Temperature Range(℃)	-50-120	-50-120	-50-120	-50-120	-50-120	-50-120
Physical						
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial
Mounting Thread	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole	M4 Through Hole
Weight(g)	6	10	18	18	18	18
TEDS Optional	yes	yes	No	No	No	No

IEPE triaxial water tight type

- IEPE type with built-in integrated circuit
- Water resistant pressure up to 2Mpa
- Alloy fasteners, stable and reliable
- Integral cable, multiple ranges available





- IEPE type with built-in integrated circuit
- Watertight, double-layer shielding, strong anti-interference
- Water resistant pressure up to 3Mpa
- Alloy fasteners, stable and reliable
- Integral cable, moisture-proof and corrosion-resistant

Model Number	B02Y77	B06Y76	B06Y77	B00Y54	B00Y55	B01Y53
Performance						
Sensitivity(+5%,mV/g)	10(±10%)	100	100	1(±10%)	2.5(±10%)	5(±10%)
Measurement Range(g peak)	±500	±50	±50	±5000	±2000	±1000
Broadband Resolution(g rms)	0.001	0.0001	0.0001	0.01	0.004	0.002
Non-Linearity	1%	1%	1%	1%	1%	1%
Frequency ± 5 %(Hz)	1-9k	1-6k	1-7k	—	—	2-8k
Range ±10%(Hz)	0.5-10k	0.5-8k	0.5-9k	10-10k	5-10k	1-10k
Resonance Frequency(Hz)	≥70k	≥22k	≥38k	≥30k	≥30k	≥50k
Discharge Time Constant(s)	≤1	≤1	≤1	≤0.5	≤0.5	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical						
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	150	15	15	1500	600	300
100Hz	40	4	4	400	160	80
1000Hz	20	2	2	100	80	40
Electrical Isolation(Ω)	—	—	—	≥1x10^8	≥1x10^8	≥1x10^8
Environmental						
Sinusoidal Vibration Limit(g peak)	2000	400	400	6000	5000	2500
Shock Limit(g peak)	5000	1000	1000	10000	8000	6000
Temperature Range(℃)	-50~120	-50~120	-50~120	-50~120	-50~120	-50~120
Physical						
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial
Mounting Thread	M2.5/Adhesive	M2.5/Adhesive	M2.5/Adhesive	2xM4	2xM4	2xM4
Weight(g)	5	7.8	7.8	60	60	60
TEDS Optional	yes	yes	yes	yes	yes	yes

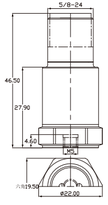
B-series IEPE voltage output type

IEPE industrial accelerometer

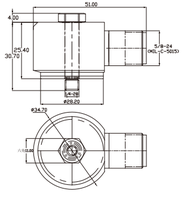
- Fault diagnosis of rotating machinery
- Vibration monitoring of fan transmission chain
- Train operation test
- Road and bridge monitoring
- Traditional industrial machinery and equipment status monitoring

B SERIES

IEPE double-layer shielding type



- IEPE type voltage output sensor
- Impedance voltage signal output
- Double shielding structure design
- 5015 2pin electrical connector top output

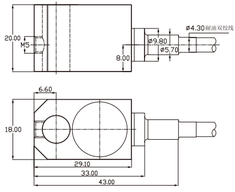


- IEPE type voltage output sensor
- Impedance voltage signal output
- Double shielding structure design
- Single or multi axis optional

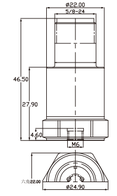
Model Number	B02A50	B05A50	B06A50	B09A50
Performance				
Sensitivity(+10%,mV/g)	10(±10%)	50	100	500
Measurement Range(g peak)	±500	±100	±50	±10
Broadband Resolution(g rms)	0.001	0.0002	0.0001	0.00002
Non-Linearity	1%	1%	1%	1%
Frequency Range ± 5 %(Hz)	1-10k	1-10k	1-10k	1-8k
Frequency Range ±10%(Hz)	0.5-13k	0.5-13k	0.5-12k	0.5-10k
Resonance Frequency(Hz)	≥48k	≥29k	≥29k	≥29k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	8-12	8-12	8-12	8-12
Spectral Noise (μg/√Hz) 10Hz	60	12	6	1.2
Spectral Noise (μg/√Hz) 100Hz	24	4.8	2.4	0.48
Spectral Noise (μg/√Hz) 1000Hz	16	3.2	1.6	0.32
Electrical Isolation(Ω)	≥1×10⁸	≥1×10⁸	≥1×10⁸	≥1×10⁸
Environmental				
Sinusoidal Vibration Limit(g peak)	2200	400	400	400
Shock Limit(g peak)	5500	1000	1000	1000
Temperature Range(℃)	-40~120	-40~120	-40~120	-40~120
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	MIL-C-5015 2pin	MIL-C-5015 2pin	MIL-C-5015 2pin	MIL-C-5015 2pin
Mounting Thread	M5	M5	M5	M5
Weight(g)	55	66	66	66
TEDS Optional	yes	yes	yes	yes

Model Number	B06B53	B06Y51
Performance		
Sensitivity(+10%,mV/g)	100	100
Measurement Range(g peak)	±50	±50
Broadband Resolution(g rms)	0.0001	0.0001
Non-Linearity	1%	1%
Frequency Range ± 5 %(Hz)	1-10k	0.5-6k
Frequency Range ±10%(Hz)	0.5-11k	0.3-7k
Frequency Range ±3dB(Hz)	0.5-12k	0.2-10k
Resonance Frequency(Hz)	≥35k	≥30k
Discharge Time Constant(s)	≤1	≤1
Transverse Sensitivity	≤5%	≤5%
Electrical		
Excitation Voltage(VDC)	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20
Output Impedance(Ω)	≤100	≤100
Output Bias Voltage(V)	10-14	10-14
Spectral Noise (μg/√Hz) 10Hz	15	6
Spectral Noise (μg/√Hz) 100Hz	4	2.4
Spectral Noise (μg/√Hz) 1000Hz	2	1.6
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸
Environmental		
Sinusoidal Vibration Limit(g peak)	3000	3000
Shock Limit(g peak)	5000	5000
Temperature Range(℃)	-40~120	-40~120
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics
Housing Material	Stainless steel	Stainless steel
Electrical Connector	MIL-C-5015 2pin	MIL-C-5015 4pin
Mounting Thread	1/4-28	1/4-28
Weight(g)	131	140
TEDS Optional	yes	yes

IEPE double-layer shielding type



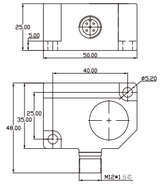
- IEPE type voltage output sensor
- Impedance voltage signal output
- Double shielding structure design
- Integrated oil resistant and waterproof cable
- The appearance can be customized according to needs



- IEPE type voltage output sensor
- Impedance voltage signal output
- Double shielding structure design
- Top 3 pin nozzle output

Model Number	B05C51	B06C51	B06A54T	B09A54T
Performance				
Sensitivity(+10%,mV/g)	50	100	100	500
Measurement Range(g peak)	±100	±50	±50	±10
Broadband Resolution(g rms)	0.0002	0.0001	0.0001	0.00002
Non-Linearity	1%	1%	1%	1%
Frequency Range ± 5 %(Hz)	2-8k	2-8k	1-8k	0.5-4k
Frequency Range ±10%(Hz)	1-10k	1-10k	0.5-10k	0.2-5k
Frequency Range ±3dB(Hz)	0.5-12k	0.5-12k	0.5-14k	0.1-10k
Resonance Frequency(Hz)	≥25k	≥25k	≥27k	≥27k
Discharge Time Constant(s)	≤1	≤1	≤1	≤1
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20
Output Impedance(Ω)	≤100	≤100	≤100	≤100
Output Bias Voltage(V)	10-14	10-14	10-14	10-14
Spectral Noise (μg/√Hz) 10Hz	12	6	6	1.2
Spectral Noise (μg/√Hz) 100Hz	4.8	2.4	2.4	0.48
Spectral Noise (μg/√Hz) 1000Hz	3.2	1.6	1.6	0.32
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Environmental				
Sinusoidal Vibration Limit(g peak)	3000	2500	400	400
Shock Limit(g peak)	5000	4000	1000	1000
Temperature Range(℃)	-40~120	-40~120	-40~120	-40~120
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	Stainless steel	Stainless steel
Electrical Connector	Coaxial	Coaxial	MIL-C-5015 3pin	MIL-C-5015 3pin
Mounting Thread	M8	M8	M6	M6
Weight(g)	36	37	66	66
TEDS Optional	yes	yes	yes	yes

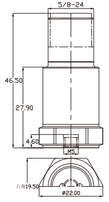
IEPE double-layer shielding type



- IEPE type voltage output sensor
- Impedance voltage signal output
- Double shielding structure design
- 5 pin nozzle output

Model Number	B09Y54T	B10Y54T
Performance		
Sensitivity(+10%,mV/g)	500	1000
Measurement Range(g peak)	±10	±5
Broadband Resolution(g rms)	0.00002	0.00001
Non-Linearity	1%	1%
Frequency Range ± 5 %(Hz)	0.3-2k	0.3-2k
Frequency Range ±10%(Hz)	0.3-3k	0.3-3k
Frequency Range ±3dB(Hz)	0.1-5k	0.1-5k
Resonance Frequency(Hz)	≥14k	≥14k
Discharge Time Constant(s)	≤1	≤1
Transverse Sensitivity	≤5%	≤5%
Electrical		
Excitation Voltage(VDC)	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20
Output Impedance(Ω)	≤100	≤100
Output Bias Voltage(V)	10-14	10-14
Spectral Noise (μg/√Hz) 10Hz	1.2	0.6
Spectral Noise (μg/√Hz) 100Hz	0.48	0.24
Spectral Noise (μg/√Hz) 1000Hz	0.32	0.16
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸
Environmental		
Sinusoidal Vibration Limit(g peak)	400	400
Shock Limit(g peak)	1000	1000
Temperature Range(℃)	-40-120	-40-120
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics
Housing Material	Stainless steel	Stainless steel
Electrical Connector	M12x1 5pin	M12x1 5pin
Mounting Thread	2xM5	2xM5
Weight(g)	232	232
TEDS Optional	yes	yes

IEPE current output type



- Built in integrated circuit, 4-20mA current output
- Shear structure, stable and reliable
- Double shielding structure design

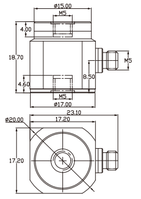
Model Number	QVA057001	QUA057001
Performance		
Output(mA DC)	4-20	4-20
Measurement Range(rms)	0-10mm/s	0-1g
Non-Linearity	≤2%	≤1%
Frequency Range ±10%(Hz)	10-1k	10-1k
Resonance Frequency(Hz)	≥27k	≥27k
Transverse Sensitivity	≤5%	≤5%
Electrical		
Excitation Voltage(VDC)	20-28	20-28
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸
Environmental		
Shock Limit(g peak)	1000	1000
Temperature Range(℃)	-40-85	-40-85
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics
Housing Material	Stainless steel	Stainless steel
Electrical Connector	MIL-C-5015 2pin	MIL-C-5015 2pin
Mounting Thread	M5	M5
Weight(g)	58.5	58.5

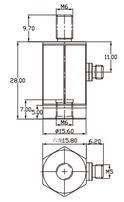
Standard type accelerometer

- Sensor calibration

Standard type

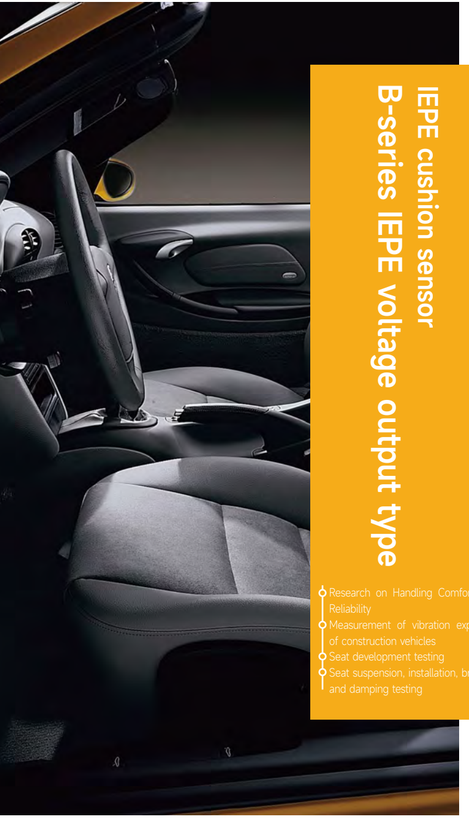
- High reliability structure, better frequency response
- Special piezoelectric ceramic material, high annual stability,low lateral sensitivity





Model Number	B02B04
Performance	
Sensitivity(+10%,mV/g)	10
Measurement Range(g peak)	±500
Broadband Resolution(g rms)	0.001
Non-Linearity	1%
Frequency Range ±2%(Hz)	1-8k
Frequency Range ±5%(Hz)	0.5-10k
Resonance Frequency(Hz)	≥50k
Discharge Time Constant(s)	≤1
Transverse Sensitivity	≤2%
Electrical	
Excitation Voltage(VDC)	20-30
Constant Current Excitation(mA)	2-20
Output Impedance(Ω)	≤100
Output Bias Voltage(V)	8-12
Spectral Noise (μg/√Hz) 10Hz	60
Spectral Noise (μg/√Hz) 100Hz	24
Spectral Noise (μg/√Hz) 1000Hz	16
Electrical Isolation(Ω)	——
Environmental	
Sinusoidal Vibration Limit(g peak)	3000
Shock Limit(g peak)	8000
Temperature Range(℃)	-50-120
Physical	
Sealing	Laser welding IP68
Sensing Element	ceramics
Housing Material	Stainless steel
Electrical Connector	M5/10-32 Side
Mounting Thread	M5
Weight(g)	31.5

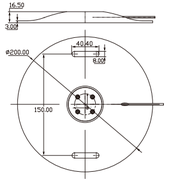
Model Number	C01B05
Performance	
Sensitivity(pC/g)	2.5
Measurement Range(g peak)	±5000
Non-Linearity	1%
Frequency Range ±5%(Hz)	0.5-10k
Frequency Range ±10%(Hz)	0.3-12k
Resonance Frequency(Hz)	≥50k
Transverse Sensitivity	≤2%
Electrical	
Capacitance(pF)	480
Resistance(Ω)	≥1x10¹¹
Electrical Isolation(Ω)	——
Environmental	
Sinusoidal Vibration Limit(g peak)	6000
Shock Limit(g peak)	8000
Temperature Range(℃)	-50-250
Physical	
Sealing	Laser welding IP68
Sensing Element	ceramics
Housing Material	Stainless steel
Electrical Connector	M5/10-32 Side
Mounting Thread	M6
Weight(g)	41



IEPE cushion sensor
B-series IEPE voltage output type

- Research on Handling Comfort and Reliability
- Measurement of vibration exposure of construction vehicles
- Seat development testing
- Seat suspension, installation, bracket, and damping testing

IEPE cushion type



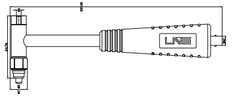
- Specially installed seat cushion and elastic band
- Memory alloy fasteners, shear structures, broadband frequency response
- Weight 340g (including 1m four core cable)

Model Number	B06H46
Performance	
Sensitivity(mV/g)	100
Measurement Range(g peak)	±50
Broadband Resolution(g rms)	0.0001
Non-Linearity	1%
Frequency ± 5 %(Hz)	1-4k
Range ±10%(Hz)	0.5-6k
Resonance Frequency(Hz)	≥20k
Discharge Time Constant(s)	≤1
Transverse Sensitivity	≤5%
Electrical	
Excitation Voltage(VDC)	20-30
Constant Current Excitation(mA)	2-20
Output Impedance(Ω)	≤100
Output Bias Voltage(V)	8-12
Spectral Noise (μg/√Hz) 10Hz	15
100Hz	4
1000Hz	2
Electrical Isolation(Ω)	——
Environmental	
Sinusoidal Vibration Limit(g peak)	400
Shock Limit(g peak)	2000
Temperature Range(℃)	-40-120
Physical	
Sealing	Laser welding IP68
Sensing Element	ceramics
Housing Material	titanium alloy/polyurethane
Electrical Connector	BNCX3
Mounting Thread	——
Weight(g)	340

Impact hammer

- Structural Health Testing
- Modal analysis
- Resonance test

Impact hammer



- Fast dynamic measurement response
- Built in ICP circuit
- High natural frequency

Model Number	N01B00	N02B00	N03B00
Performance			
Sensitivity(mV/N)	1	2.5	10
Measurement Range(kN)	≤5	≤2	≤0.5
Overload(%)	120	120	120
Resolution(N)	1.5	0.6	0.15
Non-Linearity(%)	1	1	1
Repeatability(%)	1	1	1
Natural Frequency(kHz)	≥40	≥40	≥40
Electrical			
Excitation Voltage(VDC)	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20
Full Range Voltage(V)	±5	±5	±5
Output Bias Voltage(V)	8-12	8-12	8-12
Output Impedance(Ω)	< 100	< 100	< 100
Stable time(s)	> 360	> 180	> 30
Environmental			
Temperature Range(℃)	-55-120	-55-120	-55-120
Physical			
Sealing	epoxy resin	epoxy resin	epoxy resin
Sensing Element	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel
Mounting Thread	M5	M5	M5
Electrical Connector	BNC	BNC	BNC
Weight(g)	158	158	158

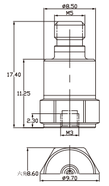
C-series PE charge output type

PE universal test type accelerometer

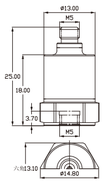
- Fatigue testing
- Universal vibration and impact tests
- Vibration table high and low temperature testing

PE universal type

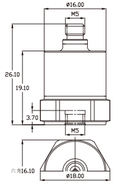
- Universal vibration test charge output sensor
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector top output
- Low frequency response is determined by external signal conditioning electronics



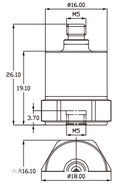
C01A00



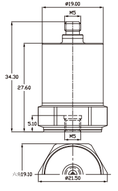
C02A00
C04A03



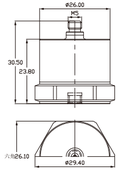
C05A00



C06A01



C08A01



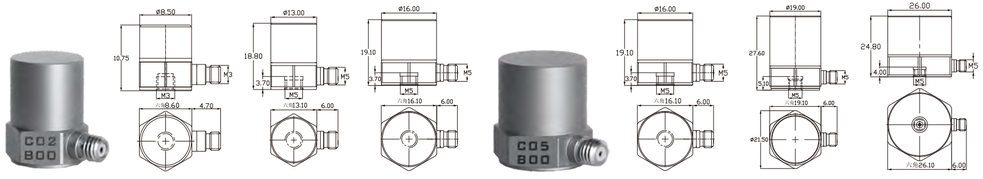
C10A00

Model Number	C01A00	C02A00	C04A03	C05A00	C06A01	C08A01	C10A00
Performance							
Sensitivity(pC/g)	3	10	30	50	100	300	1000
Measurement Range(g peak)	±3500	±1500	±1000	±800	±500	±200	±50
Non-Linearity	1%	1%	1%	1%	1%	1%	1%
Frequency Range ±5%(Hz)	0.5-12k	0.5-10k	0.5-7k	0.5-5k	0.5-5k	0.5-3k	0.5-1.5k
Frequency Range ±10%(Hz)	0.3-15k	0.3-11k	0.3-9k	0.3-6k	0.3-6k	0.3-4k	0.3-2k
Resonance Frequency(Hz)	≥50k	≥42k	≥32k	≥20k	≥22k	≥16k	≥8k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Capacitance(pF)	350	850	850	850	2400	2300	2300
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}	≥1×10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	——	——	——	——	——	≥1x10^{8}	——
Environmental							
Sinusoidal Vibration Limit(g peak)	4000	3000	2000	1600	800	500	200
Shock Limit(g peak)	6000	5000	2500	2500	1500	800	600
Temperature Range(℃)	-40~160	-40~160	-40~160	-40~160	-40~160	-40~160	-40~160
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top
Mounting Thread	M3	M5	M5	M5	M5	M5	M5
Weight(g)	3	14	17	27.5	27	54.5	133

PE universal type

- Universal vibration test charge output sensor
- Alloy fasteners, stable and reliable
- Multiple output forms and ranges optional
- M5/10-32 electrical connector side output

Low frequency response is determined by external signal conditioning electronics

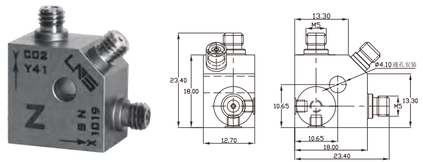


C01B00 C02B00 C04B03 C05B00 C06B01 C08B01 C10B00

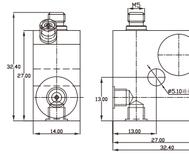
Model Number	C01B00	C02B00	C04B03	C05B00	C06B01	C08B01	C10B00
Performance							
Sensitivity(pC/g)	3	10	30	50	100	300	1000
Measurement Range(g peak)	±3500	±1500	±1000	±800	±500	±200	±50
Non-Linearity	1%	1%	1%	1%	1%	1%	1%
Frequency Range ±5%(Hz)	0.5-12k	0.5-10k	0.5-7k	0.5-5k	0.5-5k	0.5-3k	0.5-1.5k
Frequency Range ±10%(Hz)	0.3-15k	0.3-11k	0.3-9k	0.3-6k	0.3-6k	0.3-4k	0.3-2k
Resonance Frequency(Hz)	≥50k	≥42k	≥32k	≥20k	≥22k	≥16k	≥8k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Capacitance(pF)	350	850	850	850	2400	2300	2300
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}	≥1×10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	——	——	——	——	——	≥1x10^{8}	——
Environmental							
Sinusoidal Vibration Limit(g peak)	4000	3000	2000	1600	800	500	200
Shock Limit(g peak)	6000	5000	2500	2500	1500	800	600
Temperature Range(℃)	-40-160	-40-160	-40-160	-40-160	-40-160	-40-160	-40-160
Temperature Response(%/℃)	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Electrical Connector	M3 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M3	M5	M5	M5	M5	M5	M5
Weight(g)	4	14.4	17.3	26.5	27	54	137

PE three-axis universal type

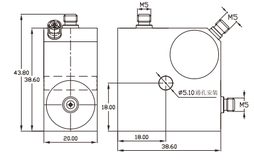
- Universaltest triaxial charge output sensor
- Alloy fasteners, stable and reliable
- Multiple ranges optional
- Through-hole mounting
- Low frequency response is determined by external signal conditioning electronics



C02Y41



C04Y42 C05Y42



C08Y40

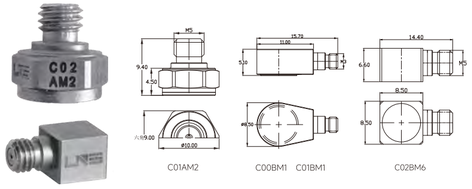
Model Number	C02Y41	C04Y42	C05Y42	C08Y40
Performance				
Sensitivity(pC/g)	10	30	50	300
Measurement Range(g peak)	±1500	±1000	±800	±200
Non-Linearity	1%	1%	1%	1%
Frequency Range ±5%(Hz)	0.5-7k	0.5-5k	0.5-4k	0.5-1k
Frequency Range ±10%(Hz)	0.3-8k	0.3-6k	0.3-5k	0.3-1.5k
Resonance Frequency(Hz)	≥30k	≥20k	≥18k	≥6k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Capacitance(pF)	360	1700	1700	3500
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	——	——	——	——
Environmental				
Sinusoidal Vibration Limit(g peak)	4000	3000	1600	300
Shock Limit(g peak)	6000	5000	2500	500
Temperature Range(℃)	-50-250	-50-250	-50-250	-50-250
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M5/10-32 x3	M5/10-32 x3	M5/10-32 x3	M5/10-32 x3
Mounting Thread	M4 Through Hole	M5 Through Hole	M5 Through Hole	M5 Through Hole
Weight(g)	20	47	56.5	159

PE miniature accelerometer

C-series PE charge output type

- Dynamics research
- Modal testing
- Vibration monitoring
- High temperature environment testing

PE mini



- Small size and light weight
- Multiple output methods available
- Suitable for testing small modal structures
- Low frequency response is determined by external signal conditioning electronics

Model Number	C00BM1	C01AM2	C01BM1	C02BM6
Performance				
Sensitivity(pC/g)	1	4	4	10
Measurement Range(g peak)	±5000	±2000	±2500	±1000
Non-Linearity	1%	1%	1%	1%
Frequency Range ±5%(Hz)	3-10k	0.5-5k	1-6.5k	1-6k
Frequency Range ±10%(Hz)	2-12k	0.3-7k	0.5-10k	0.5-10k
Resonance Frequency(Hz)	≥50k	≥27k	≥33k	≥33k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Capacitance(pF)	150	90	90	650
Resistance(Ω)	$\geq 1\times10^{11}$	$\geq 1\times10^{11}$	$\geq 1\times10^{11}$	$\geq 1\times10^{11}$
Electrical Isolation(Ω)	——	——	——	——
Environmental				
Sinusoidal Vibration Limit(g peak)	——	2500	3000	3000
Shock Limit(g peak)	10000	3000	4000	4000
Temperature Range(℃)	-50~250	-50~160	-50~250	-50~160
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	M3 Side	M5/10-32 Top	M3 Side	M5/10-32 Side
Mounting Thread	Adhesive	Adhesive	Adhesive	Adhesive
Weight(g)	1	2	2	2.6

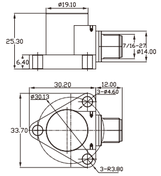
C-series PE charge output type

PE ultra-high temperature/extreme environment testing accelerometer

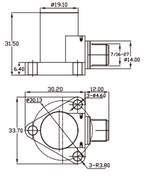
- Blasting test
- Rocket engine testing
- Turbo engine test
- Nuclear power monitoring
- Vibration monitoring of high-temperature equipment in steel plants, thermal power plants, petrochemicals, coal mines, etc

C SERIES

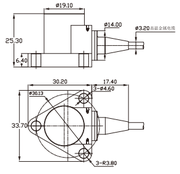
PE ultra-high temperature type



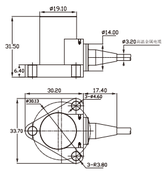
C02BT3



C05BT3



C02CT3

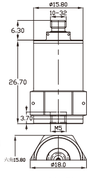


C05CT3

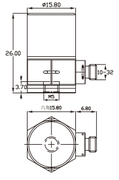
- High temperature testing environment
- Ultra-low sensitivity temperature coefficient
- Low temperature drift
- Differential structure ,split or continuous optional
- Low frequency response is determined by external signal conditioning electronics

Model Number	C02BT3	C02CT3	C05BT3	C05CT3
Performance				
Sensitivity(pC/g)	10	10	50	50
Measurement Range(g peak)	±600	±600	±300	±300
Non-Linearity	1%	1%	1%	1%
Frequency ±5%(Hz) Range ±10%(Hz)	10~5k 1~9k	10~5k 1~9k	10~2.5k 1~4.5k	10~2.5k 1~4.5k
Resonance Frequency(Hz)	≥30k	≥30k	≥16k	≥16k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Capacitance(pF)	500	500	650	650
Resistance(25℃ Ω)	≥1×10^9	≥1×10^9	≥1×10^9	≥1×10^9
Resistance(500℃ Ω)	≥1×10^7	≥1×10^5	≥1×10^7	≥1×10^5
Electrical Isolation(Ω)	≥1×10^8	≥1×10^9	≥1×10^8	≥1×10^9
Environmental				
Sinusoidal Vibration Limit(g peak)	1000	1000	500	500
Shock Limit(g peak)	1500	1500	1000	1000
Temperature Range(℃)	-50~500	-50~500	-50~500	-50~500
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	Inconel	Inconel	Inconel	Inconel
Electrical Connector	7/16-27 2Pin	Coaxial-Lemo 2pin	7/16-27 2Pin	Coaxial-Lemo 2pin
Mounting Thread	M4x3 Through Hole	M4x3 Through Hole	M4x3 Through Hole	M4x3 Through Hole
Weight(g)	65	75	110	105

PE ultra-high temperature type

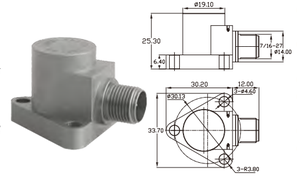


C01AT2
C02AT2



C01BT2
C02BT2

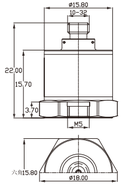
- High temperature testing environment
- Ultra-low sensitivity temperature coefficient
- Low temperature drift
- High temperature 10-32 electrical connector output
- Optional high metal cable
- Low frequency response is determined by external signal conditioning electronics



- Ultra-low sensitivity temperature coefficient
- Low temperature drift
- Triangular structure design, convenient and quick installation
- Differential 2-pin output, optional high temperature metal cable
- Integral cable output can be customized
- Low frequency response is determined by external signal conditioning electronics

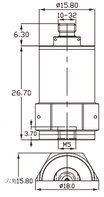
Model Number	C01AT2	C01BT2	C02AT2	C02BT2	C02BT4	C03BT4	C05BT4
Performance							
Sensitivity(pC/g)	5	5	10	10	10	20	50
Measurement Range(g peak)	±1000	±1000	±800	±800	±1500	±1000	±500
Non-Linearity	1%	1%	1%	1%	1%	1%	1%
Frequency ±5%(Hz) Range ±10%(Hz)	10~4k 1~6k	10~4k 1~6k	10~5k 1~7k	10~5k 1~7k	1~10k 1~11k	1~9k 1~11k	1~6k 1~9k
Resonance Frequency(Hz)	≥30k	≥30k	≥25k	≥25k	≥50k	≥40k	≥28k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Capacitance(pF)	300	300	550	550	1250	1300	1300
Resistance(25℃ Ω)	≥1×10^9	≥1×10^9	≥1×10^9	≥1×10^9	≥1×10^{10}	≥1×10^{10}	≥1×10^{10}
Resistance(max℃ Ω)	≥1×10^7	≥1×10^7	≥1×10^7	≥1×10^7	≥5x10^7	≥5x10^7	≥5x10^7
Electrical Isolation(Ω)	≥1×10^8	≥1×10^8	≥1×10^8	≥1×10^8	≥1×10^8	≥1×10^8	≥1×10^8
Environmental							
Sinusoidal Vibration Limit(g peak)	1500	1500	1000	1000	3000	2500	1000
Shock Limit(g peak)	2000	2000	1500	1500	4000	3000	2000
Temperature Range(℃)	-50~500	-50~500	-50~500	-50~500	-50~260	-50~260	-50~260
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	Inconel	Inconel	Inconel	Inconel	Inconel	Inconel	Inconel
Electrical Connector	M5/10-32 Top	M5/10-32 Side	M5/10-32 Top	M5/10-32 Side	7/16-27 2Pin	7/16-27 2Pin	7/16-27 2Pin
Mounting Thread	M5	M5	M5	M5	M4x3 Through Hole	M4x3 Through Hole	M4x3 Through Hole
Weight(g)	30	28	30	28	61.1	62	67

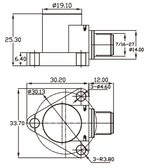
PE ultra-high temperature type



- Ultra-low sensitivity temperature coefficient
- Low temperature drift
- High temperature 10-32 electrical connector output
- Low frequency response is determined by external signal conditioning electronics

PE ultra-high temperature and radiation resistant type





- High temperature testing environment
- Ultra-low sensitivity temperature coefficient
- Low temperature drift
- High temperature 10-32 electrical connector output
- Optional high metal cable
- Low frequency response is determined by external signal conditioning electronics

Model Number	C05AG4	C06AG4
Performance		
Sensitivity(pC/g)	50	100
Measurement Range(g peak)	±800	±500
Non-Linearity	1%	1%
Frequency ±5%(Hz)	1~6k	1~5k
Range ±10%(Hz)	1~9k	1~8k
Resonance Frequency(Hz)	≥30k	≥25k
Transverse Sensitivity	≤5%	≤5%
Electrical		
Capacitance(pF)	2300	2300
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	≥1x10^{8}	≥1x10^{8}
Environmental		
Sinusoidal Vibration Limit(g peak)	2000	2000
Shock Limit(g peak)	3000	3000
Temperature Range(℃)	-55~288	-55~288
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics
Housing Material	Inconel	Inconel
Electrical Connector	M5/10-32 Top	M5/10-32 Top
Mounting Thread	M5	M5
Weight(g)	20.5	26

Model Number	C02AT2T	C02BT3T
Performance		
Sensitivity(pC/g)	10	10
Measurement Range(g peak)	±800	±600
Non-Linearity	1%	1%
Frequency ±5%(Hz)	10~5k	10~5k
Range ±10%(Hz)	1~7k	1~10k
Resonance Frequency(Hz)	≥25k	≥30k
Transverse Sensitivity	≤5%	≤5%
Electrical		
Capacitance(pF)	550	500
Resistance(25℃ Ω)	≥1x10^{9}	≥1x10^{9}
Resistance(500℃ Ω)	≥1x10^{7}	≥1x10^{7}
Electrical Isolation(Ω)	≥1x10^{8}	≥1x10^{8}
Environmental		
Sinusoidal Vibration Limit(g peak)	1000	1000
Shock Limit(g peak)	1500	1500
Temperature Range(℃)	-50~500	-50~500
Integrated Gamma Flux(rad)	≥3x10^{8}	≥3x10^{8}
Physical		
Sealing	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics
Housing Material	Inconel	Inconel
Electrical Connector	M5/10-32 Top	7/16-27 2Pin
Mounting Thread	M5	M4x3
Weight(g)	30	80

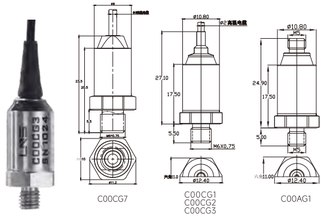
C-series PE charge output type

PE high impact sensor

- Weapon launch and rocket ignition testing
- Drop and impact testing
- Explosion shock test
- Mechanical impact testing

C SERIES

PE uniaxial impact type



C00CG7

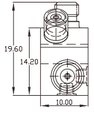
C00CG1
C00CG2
C00CG3

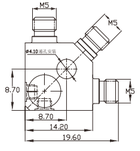
C00AG1

- High-impact test charge output sensor
- Special shear structure design
- Alloy fasteners, stable and reliableM5/M6 one-piece screw optional
- M5/10-32 or high strength integrated cable output
- Low frequency response is determined by external signal conditioning electronics

Model Number	C00CG7
Performance	
Sensitivity(pC/g)	0.05
Measurement Range(g peak)	±100000
Non-Linearity	10%
Frequency Range ±10%(Hz)	10-8k
Frequency Range ±20%(Hz)	5-10k
Resonance Frequency(Hz)	≥45k
Transverse Sensitivity	≤5%
Electrical	
Capacitance(pF)	18
Resistance(Ω)	≥1x10^{11}
Electrical Isolation(Ω)	≥1x10^{8}
Environmental	
Sinusoidal Vibration Limit(g peak)	—
Shock Limit(g peak)	130000
Temperature Range(℃)	-50~160
Temperature Response(%/℃)	0.08
Physical	
Sealing	Laser welding IP68
Sensing Element	ceramics
Housing Material	17-4SS
Electrical Connector	coaxial
Mounting Thread	M5/M6x0.75 coaxial
Weight(g)	5

PE triaxial impact type





- High-impact test charge output sensor
- Special shear structure design, transparent via design
- Alloy fasteners, stable and reliable
- Titanium alloy material, lightweight design
- M5/10-32 electrical connector output
- Low frequency response is determined by external signal conditioning electronics

Model Number	C00CG3	C00CG2	C00AG1	C00CG1	C00Y40	C00Y41	C00Y42
Performance							
Sensitivity(pC/g)	0.3	0.5	1	1	0.3	0.5	1
Measurement Range(g peak)	±80000	±50000	±25000	±25000	±20000	±10000	±5000
Non-Linearity	5%	4%	2%	2%	3%	3%	1%
Frequency Range ±5%(Hz)	—	—	—	—	—	—	—
Frequency Range ±10%(Hz)	5-12k	5-12k	5-12k	5-12k	5-11k	5-11k	5-11k
Resonance Frequency(Hz)	≥80k	≥60k	≥65k	≥65k	≥85k	≥85k	≥85k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical							
Capacitance(pF)	320	300	300	300	180	300	150
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	—	—	—
Environmental							
Sinusoidal Vibration Limit(g peak)	—	—	—	—	—	—	—
Shock Limit(g peak)	90000	70000	35000	35000	25000	20000	12000
Temperature Range(℃)	-50~160	-50~160	-50~160	-50~160	-50~230	-50~230	-50~230
Temperature Response(%/℃)	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Physical							
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	17-4SS	17-4SS	17-4SS	17-4SS	titanium alloy	titanium alloy	titanium alloy
Electrical Connector	coaxial	coaxial	M5/10-32 Top	coaxial	M5/10-32 x3	M5/10-32 x3	M5/10-32 x3
Mounting Thread	M5/M6x0.75 coaxial	M5/M6x0.75 coaxial	M5/M6x0.75 coaxial	M5/M6x0.75 coaxial	M4 Through Hole	M4 Through Hole	M4 Through Hole
Weight(g)	12	12	11.7	12	8	8	8

C-series PE charge output type

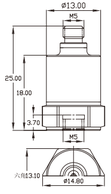
PE environmental test accelerometer

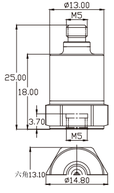
- Vibration control, high and low temperature, comprehensive testing, and other experimental environment vibration testing

C SERIES

PE environmental testing type

- High and low temperature test sensor
- Low temperature drift
- Alloy fasteners, stable and reliable
- M5/10-32 electrical connector top output
- Low frequency response is determined by external signal conditioning electronics

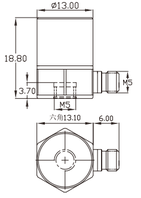


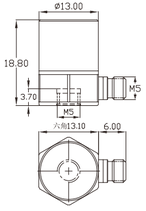


Model Number	C01A60	C02A60	C04A60	C02A02	C04A05
Performance					
Sensitivity(pC/g)	5	10	30	10	30
Measurement Range(g peak)	±6000	±5000	±1500	±500	±150
Non-Linearity	1%	1%	1%	1%	1%
Frequency Range ±5%(Hz)	0.5-15k	0.5-10k	0.5-7k	0.5-10k	0.5-7k
Frequency Range ±10%(Hz)	0.3-16k	0.3-11k	0.3-9k	0.3-11k	0.3-9k
Resonance Frequency(Hz)	≥48k	≥50k	≥50k	≥50k	≥38k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical					
Capacitance(pF)	1200	1250	1300	1250	1700
Resistance(Ω)	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$
Electrical Isolation(Ω)	——	——	——	——	——
Environmental					
Sinusoidal Vibration Limit(g peak)	8000	6500	3000	650	300
Shock Limit(g peak)	8000	6500	3500	650	300
Temperature Range(℃)	-70~250	-70~250	-70~250	-70~160	-70~160
Physical					
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top	M5/10-32 Top
Mounting Thread	M5	M5	M5	M5	M5
Weight(g)	14.2	14.6	17	14.6	17

PE environmental testing type

- High and low temperature test sensor
- Low temperature drift
- Alloy fasteners, stable and reliable
- M5/10-32 electrical connector top output
- Low frequency response is determined by external signal conditioning electronics





Model Number	C01B60	C02B60	C04B60	C02B02	C04B05
Performance					
Sensitivity(pC/g)	5	10	30	10	30
Measurement Range(g peak)	±6000	±5000	±1500	±500	±150
Non-Linearity	1%	1%	1%	1%	1%
Frequency Range ±5%(Hz)	0.5-15k	0.5-10k	0.5-7k	0.5-10k	0.5-7k
Frequency Range ±10%(Hz)	0.3-16k	0.3-11k	0.3-9k	0.3-11k	0.3-9k
Resonance Frequency(Hz)	≥48k	≥50k	≥50k	≥50k	≥38k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%	≤5%
Electrical					
Capacitance(pF)	1200	1250	1300	1250	1700
Resistance(Ω)	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$	≥$1x10^{11}$
Electrical Isolation(Ω)	——	——	——	——	——
Environmental					
Sinusoidal Vibration Limit(g peak)	8000	6500	3000	650	300
Shock Limit(g peak)	8000	6500	3500	650	300
Temperature Range(℃)	-70~250	-70~250	-70~250	-70~160	-70~160
Physical					
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Electrical Connector	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M5	M5	M5	M5	M5
Weight(g)	14.2	15.5	17	14.5	17

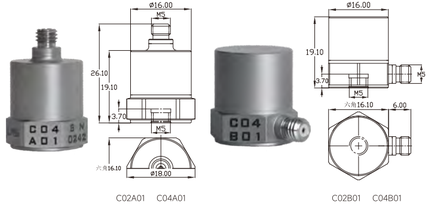
C-series PE charge output type

PE vibration control and three integrated environmental acceleration sensors

- Vibration table control

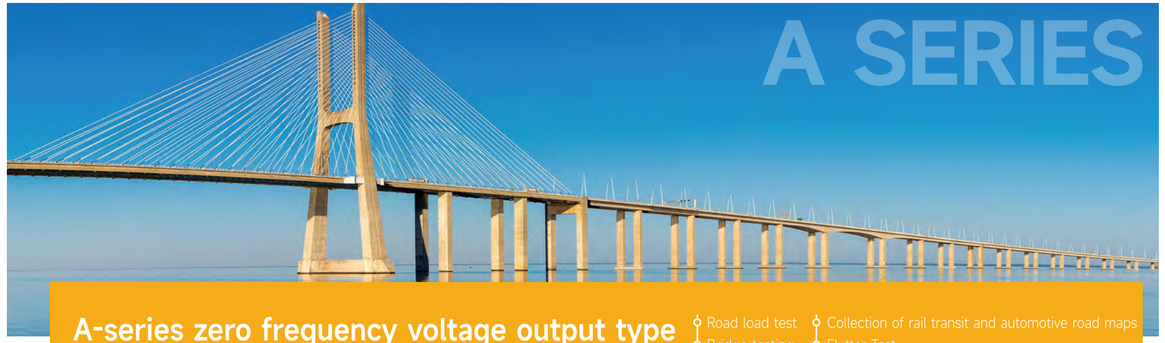
PE vibration control and three comprehensive high and low temperature environmental types

- Classic core structure, stable and reliable
- Vibration control three comprehensive test design
- M5/10-32 electrical connector top output
- Low frequency response is determined by external signal conditioning electronics



C02A01 C04A01 C02B01 C04B01

Model Number	C02A01	C04A01	C02B01	C04B01
Performance				
Sensitivity(pC/g)	10	30	10	30
Measurement Range(g peak)	±1500	±1000	±1500	±1000
Non-Linearity	1%	1%	1%	1%
Frequency Range ±5%(Hz)	——	——	——	——
Frequency Range ±10%(Hz)	0.5-8k	0.5-8k	0.5-8k	0.5-8k
Resonance Frequency(Hz)	≥30k	≥25k	≥30k	≥25k
Transverse Sensitivity	≤5%	≤5%	≤5%	≤5%
Electrical				
Capacitance(pF)	800	780	800	780
Resistance(Ω)	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}	≥1x10^{11}
Electrical Isolation(Ω)	——	——	——	——
Environmental				
Sinusoidal Vibration Limit(g peak)	3000	2000	3000	2000
Shock Limit(g peak)	5000	2500	5000	2500
Temperature Range(℃)	-40~160	-40~160	-40~160	-40~160
Physical				
Sealing	Laser welding IP68	Laser welding IP68	Laser welding IP68	Laser welding IP68
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel
Electrical Connector	M5/10-32 Top	M5/10-32 Top	M5/10-32 Side	M5/10-32 Side
Mounting Thread	M5	M5	M5	M5
Weight(g)	20.5	24.1	25	23.6

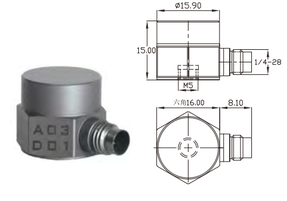


A-series zero frequency voltage output type

- Road load test
- Bridge testing
- Collection of rail transit and automotive road maps
- Flutter Test

Single axis hexagonal type

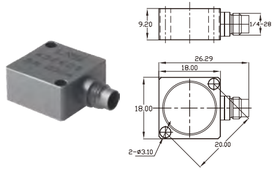
Model Number	A03D01/A03E01	A05D01/A05E01	A06D01/A06E01	A07D01/A07E01	A09D01/A09E01	A10D01/A10E01	A11D01/A11E01
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (μg/√Hz)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}	≥1x10^{8}
Excitation Voltage(VDC)	6-30	6-30	6-30	6-30	6-30	6-30	6-30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Output Mode	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	10	10	10	10	10	10	10



- Industry leading capacitive zero frequency MEMS chip
- Complete series, Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Integral cable output can be customized
- Dedicated matching multi-channel power supply

Single axis through-hole type

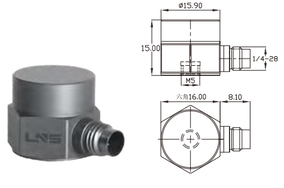
Model Number	A03D02/A03E02	A05D02/A05E02	A06D02/A06E02	A07D02/A07E02	A09D02/A09E02	A10D02/A10E02	A11D02/A11E02
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (μg/√Hz)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6~30	6~30	6~30	6~30	6~30	6~30	6~30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Output Mode	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential	Single ended/Differential
Mounting Thread	M3 Through Hole	M3 Through Hole	M3 Through Hole	M3 Through Hole	M3 Through Hole	M3 Through Hole	M3 Through Hole
Weight(g)	8.7	8.7	8.7	8.7	8.7	8.7	8.7



- Industry leading capacitive zero frequency MEMS chip
- Complete series. Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium alloy housing, through hole mounting
- Wide frequency band measurement range
- Integral cable output can be customized
- Dedicated matching multi-channel power supply

Single axis hexagonal impact resistant type

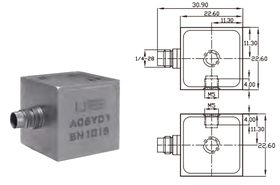
Model Number	A01D06	A02D06	A03D06	A05D06
Performance				
Sensitivity(±5%,mV/g)	4	10	20	40
Measurement Range(g peak)	±500	±200	±100	±50
Frequency ±5%(Hz)	0-5k	0-5k	0-4k	0-4k
Range ±10%(Hz)	0-8k	0-6k	0-5k	0-5k
Non-Linearity(%)	0.25	0.25	0.1	0.1
Resonance Frequency(Hz)	41k	24k	21k	21k
Transverse Ensitivity	≤1.5	≤1.5	≤1.5	≤1.5
Spectral Noise (μg/√Hz)	125	45	30	25
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6~30	6~30	6~30	6~30
Shock Limit(g peak, 0.1ms)	10000	10000	10000	10000
Temperature Range (℃)	-40~125	-40~125	-40~125	-40~125
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Output Mode	Single ended	Single ended	Single ended	Single ended
Mounting Thread	M5	M5	M5	M5
Weight(g)	10.2	10.2	10.2	10.2



- Industry leading capacitive zero frequency MEMS chip
- Large range, wide frequency response, high impact resistance
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Integral cable output can be customized
- Dedicated matching multi-channel power supply

Triaxial cubic shape

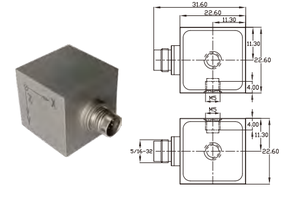
Model Number	A03YD1	A05YD1	A06YD1	A07YD1	A09YD1	A10YD1	A11YD1
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (μg/√Hz)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	——	——	——	——	——	——	——
Excitation Voltage(VDC)	6~30	6~30	6~30	6~30	6~30	6~30	6~30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Output Mode	Single ended	Single ended	Single ended	Single ended	Single ended	Single ended	Single ended
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	38	38	38	38	38	38	38



- Industry leading capacitive zero frequency MEMS chip
- Complete series. Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Dedicated matching multi-channel power supply

Triaxial cubic shape

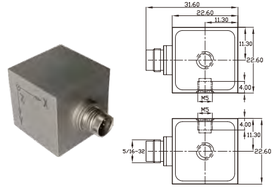
Model Number	A03YD5	A05YD5	A06YD5	A07YD5	A09YD5	A10YD5	A11YD5
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (μg/√Hz)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6~30	6~30	6~30	6~30	6~30	6~30	6~30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125
Electrical Connector	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin
Output Mode	Single ended	Single ended	Single ended	Single ended	Single ended	Single ended	Single ended
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	38	38	38	38	38	38	38



- Industry leading capacitive zero frequency MEMS chip
- Complete series. Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Dedicated matching multi-channel power supply

Triaxial cubic shape

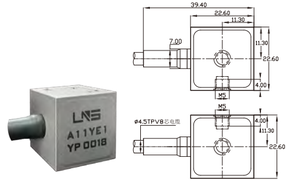
Model Number	A03YE3	A05YE3	A06YE3	A07YE3	A09YE3	A10YE3	A11YE3
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (*μg/√Hz*)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6-30	6-30	6-30	6-30	6-30	6-30	6-30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125
Electrical Connector	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin	5/16-32 9Pin
Output Mode	Differential	Differential	Differential	Differential	Differential	Differential	Differential
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	38	38	38	38	38	38	38



- Industry leading capacitive zero frequency MEMS chip
- Complete series, Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Dedicated matching multi-channel power supply

Triaxial cubic shape

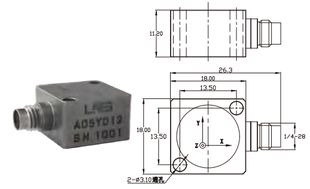
Model Number	A03YE2	A05YE2	A06YE2	A07YE2	A09YE2	A10YE2	A11YE2
Performance							
Sensitivity(±5%,mV/g)	20	40	80	135	400	800	2000
Measurement Range(g peak)	±200	±100	±50	±30	±10	±5	±2
Frequency Range ±5%(Hz)	0-2000	0-1500	0-1500	0-1500	0-1000	0-700	0-500
Non-Linearity(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Resonance Frequency(Hz)	11k	8.5k	5.8k	4.2k	3.2k	1.9k	1.2k
Spectral Noise (*μg/√Hz*)	678	339	169	101	34	17	7
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6-30	6-30	6-30	6-30	6-30	6-30	6-30
Shock Limit(g peak, 0.1ms)	5000	5000	5000	5000	5000	2000	2000
Temperature Range (℃)	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125	-55-125
Electrical Connector	Connected cable	Connected cable	Connected cable	Connected cable	Connected cable	Connected cable	Connected cable
Output Mode	Differential	Differential	Differential	Differential	Differential	Differential	Differential
Mounting Thread	M5	M5	M5	M5	M5	M5	M5
Weight(g)	37	37	37	37	37	37	37



- Industry leading capacitive zero frequency MEMS chip
- Complete series, Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, wide frequency band measurement range
- Integral cable output can be customized
- Dedicated matching multi-channel power supply

Triaxial cubic shape

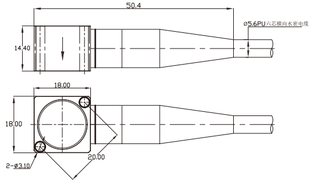
Model Number	A01YD12	A02YD12	A03YD12	A05YD12
Performance				
Sensitivity(±5%,mV/g)	4	10	20	40
Measurement Range(g peak)	±500	±200	±100	±50
Frequency Range ±5%(Hz)	0-5k	0-5k	0-3k	0-3k
Frequency Range ±10%(Hz)	0-8k	0-6k	0-4k	0-4k
Non-Linearity(%)	0.25	0.25	0.1	0.1
Resonance Frequency(Hz)	41k	24k	21k	21k
Transverse Ensitivity	≤2	≤2	≤2	≤2
Spectral Noise (*μg/√Hz*)	125	45	30	25
Electrical Isolation(Ω)	-	-	-	-
Excitation Voltage(VDC)	6-30	6-30	6-30	6-30
Shock Limit(g peak, 0.1ms)	10000	10000	10000	10000
Temperature Range (℃)	-40-125	-40-125	-40-125	-40-125
Electrical Connector	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin	1/4-28 4Pin
Output Mode	Single ended	Single ended	Single ended	Single ended
Mounting Thread	2×M3	2×M3	2×M3	2×M3
Weight(g)	11	11	11	11



- Industry leading capacitive zero frequency MEMS chip
- Complete series, Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, Through-hole installation
- Wide frequency band measurement range
- Small size, light weight

Waterproof and pressure resistant type

Model Number	A05D70	A06D70
Performance		
Sensitivity(±5%,mV/g)	40	80
Measurement Range(g peak)	±100	±50
Frequency Range ±5%(Hz)	0-1500	0-1500
Non-Linearity(%)	0.1	0.1
Resonance Frequency(Hz)	8.5k	5.8k
Spectral Noise (*μg/√Hz*)	339	169
Electrical Isolation(Ω)	≥1x10⁸	≥1x10⁸
Excitation Voltage(VDC)	6-30	6-30
Shock Limit(g peak, 0.1ms)	5000	5000
Temperature Range (℃)	-40-120	-40-120
Electrical Connector	Water tight junction	Water tight junction
Output Mode	Single ended	Single ended
Mounting Thread	2xM3	2xM3
Weight(g)	10	10



- Industry leading capacitive zero frequency MEMS chip
- Complete series, Multiple ranges available
- Low power consumption, low noise, high resolution
- Titanium housing, Through-hole installation
- Wide frequency band measurement range
- Integrated connected wire
- Sulfurization treatment, pressure resistance

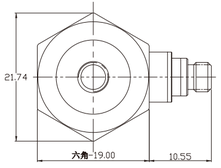
D-series dynamic force sensor

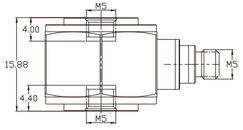
D SERIES

- Mechanical test bench
- Tension and compression test bench
- Object fatigue strength testing
- High precision machining center cutting force measurement
- Rail transit, bridge, mechanical structure design, material research and development experimental testing

Tensile force sensor

- Small size, convenient installation of hexagonal structure
- Fast dynamic measurement response
- Small error in tension and compression sensitivity



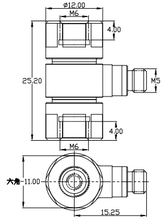


Model Number		D01BB1	D02BB1	D03BB1	D04BB1	D05BB1	D06BB1	D07BB1
Performance								
Compression range	(N)	30	50	100	200	500	1000	2000
	(lb)	6.74	11.24	22.48	44.96	112.40	224.81	449.62
Tensile range	(N)	30	50	100	200	500	1000	2000
	(lb)	6.74	11.24	22.48	44.96	112.40	224.81	449.62
Sensitivity	(mV/N)	166.67	100.00	50.00	25.00	10.00	5.00	2.50
	(mV/lb)	741.39	444.82	222.41	111.21	44.48	22.24	11.12
Natural Frequency(kHz)		≥30	≥30	≥30	≥30	≥30	≥30	≥30
Non-linearity (%)		≤1	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)		120	120	120	120	120	120	120
Electrical								
Excitation Voltage(VDC)		20~30	20~30	20~30	20~30	20~30	20~30	20~30
Constant Current Excitation(mA)		2~20	2~20	2~20	2~20	2~20	2~20	2~20
Resolution	(N)	≤0.01	≤0.03	≤0.05	≤0.10	≤0.15	≤0.50	≤1.00
	(lb)	≤0.0022	≤0.0067	≤0.011	≤0.022	≤0.034	≤0.112	≤0.225
Environmental								
Temperature Range(℃)		-55~120	-55~120	-55~120	-55~120	-55~120	-55~120	-55~120
Physical								
Sealing		Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element		quartz	quartz	quartz	quartz	quartz	quartz	quartz
Housing Material		stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode		M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread		2-M5	2-M5	2-M5	2-M5	2-M5	2-M5	2-M5
Weight(g)		26.5	26.5	26.5	26.5	26.5	26.5	26.5
Impact cap		DM5126	DM5126	DM5126	DM5126	DM5126	DM5126	DM5126
mounting bolts		J00C05	J00C05	J00C05	J00C05	J00C05	J00C05	J00C05

Model Number		D10BA1
Performance		
Compression range	(kN)	20
	(lb)	4496.18
Tensile range	(kN)	2
	(lb)	449.62
Sensitivity	(pC/N)	3.5
	(pC/lb)	15.57
Natural Frequency(kHz)		≥30
Non-linearity (%)		≤1
Overload (%)		120
Electrical		
Electrical Isolation(Ω)		$\geq 10^{13}$
Environmental		
Temperature Range(℃)		-55~120
Physical		
Sealing		Laser Welding
Sensing Element		quartz
Housing Material		stainless steel
Output Mode		M5/10-32
Mounting Thread		2-M5
Weight(g)		26.5
Impact cap		DM5126
mounting bolts		J00C05

IEPE uniaxial force chain

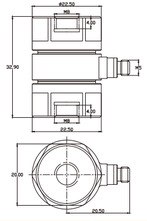
- Small size
- Fast dynamic response
- Easy installation of hexagonal structure
- Calibrated standard pre tightening
- Excellent insulation performance



Model Number	D05BB2	D09BB2	D11BB2	D12BB2
Performance				
Range (kN)	0.5	10	30	60
Range (lb)	112.40	2248.09	6744.27	13488.54
Sensitivity (mV/kN)	10000	500	165	80
Sensitivity (mV/lb)	44.48	2.22	0.73	0.36
Customized range(kN)	0.1-0.5	2-10	10-30	50-60
Natural Frequency(kHz)	≥30	≥40	≥30	≥20
Non-linearity (%)	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120
Electrical				
Excitation Voltage(VDC)	20-30	24-28	24-28	24-28
Constant Current Excitation(mA)	2-20	2-10	2-10	2-10
Resolution(N)	0.2	1	3	6
Environmental				
Temperature Range(℃)	-55 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical				
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32 Side	M5 Side	M5 Side	M5 Side
Mounting Thread	2-M12	2-M12	2-M16	2-M24
Size(mm)	Φ26*48	Φ26*48	Φ29*51.5	Φ53*85
Weight(g)	18	146	190	1150

PE uniaxial force chain

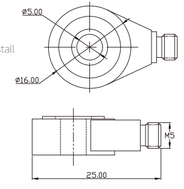
- Small size
- Fast dynamic response
- Easy installation of hexagonal structure
- Calibrated standard pre tightening
- Excellent insulation performance



Model Number	D07BA2	D08BA2	D10BA2	D11BA2	D12BA2
Performance					
Range (kN)	2	5	15	30	60
Range (lb)	449.62	1124.04	3372.13	6744.27	13488.54
Sensitivity (pC/N)	3.5	3.5	3.5	3.5	3.2
Sensitivity (pC/lb)	15.57	15.57	15.57	15.57	14.24
Natural Frequency(kHz)	≥12	≥10	≥8	≥7	≥5
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120
Electrical					
Insulation Resistance(Ω)	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$
Environmental					
Temperature Range(℃)	-55 ~ 200	-55 ~ 200	-55 ~ 200	-55 ~ 200	-55 ~ 200
Physical					
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side
Mounting Thread	2-M6	2-M6	2-M8	2-M10	2-M20
Size(mm)	Φ12*25.2	Φ14.5*28	Φ22.5*32.9	Φ28.5*40	Φ48*68
Weight(g)	18	33	88	165	777

IEPE type force ring

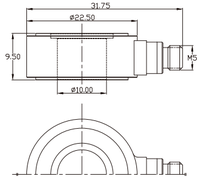
- Circular structure, easy to install
- High rigidity and reliability
- Fast dynamic response
- Long static calibration time

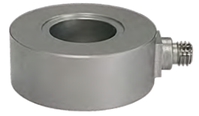


Model Number	D09BB0	D12BB0	D13BB0	D14BB0	D15BB0
Performance					
Range (kN)	10	50	100	200	500
Range (lb)	2248.09	11240.45	22480.89	44961.79	112404.47
Sensitivity (mV/kN)	500	100	50	25	10
Sensitivity (mV/lb)	2.22	0.44	0.22	0.11	0.044
Customized range(kN)	0.1-10	10-50	50-100	100-200	200-500
Natural Frequency(kHz)	≥75	≥40	≥50	≥40	≥10
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120
Electrical					
Excitation Voltage(VDC)	24-28	24-28	24-28	24-28	24-28
Constant Current Excitation(mA)	2-10	2-10	2-10	2-10	2-10
Resolution(N)	1	5	10	20	50
Environmental					
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical					
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5 Side	M5 Side	M5 Side	M5 Side	M5 Side
Mounting Thread	Φ5through-hole	Φ8through-hole	Φ12through-hole	Φ26.5through-hole	Φ20through-hole
Size(mm)	Φ16*Φ5*8	Φ26*Φ8*10.5	Φ35*Φ12*12	Φ55*Φ26.5*15	Φ70*Φ20*19
Weight(g)	10	36	55	170	350

PE type uniaxial force ring

- Circular structure, easy to install
- High rigidity and reliability
- Fast dynamic response
- Long static calibration time

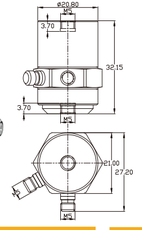




Model Number	D08BA0	D09BA0	D11BA0	D12BA0	D13BA0	D14BA0	D15BA0
Performance							
Range (kN)	5	10	30	50	100	200	500
Range (lb)	1124.04	2248.09	6744.27	11240.45	22480.89	44961.79	112404.47
Sensitivity (pC/N)	4	4	4	4	2	2	2
Sensitivity (pC/lb)	17.80	17.80	17.80	17.80	8.90	8.90	8.90
Natural Frequency(kHz)	≥75	≥70	≥40	≥40	≥50	≥40	≥10
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120	120	120
Electrical							
Insulation Resistance(Ω)	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$	$≥10^{13}$
Environmental							
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical							
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32 Side	M5/10-32 Side	M5/10-32 Side	M5 Side	M5 Side	M5 Side	M5 Side
Mounting Thread	Φ4through-hole	Φ6.5through-hole	Φ10through-hole	Φ8through-hole	Φ12through-hole	Φ26.5through-hole	Φ20through-hole
Size(mm)	Φ12*Φ4*8	Φ14.5*Φ6.5*8	Φ22.5*Φ10*9.5	Φ26*Φ8*10.5	Φ35*Φ12*12	Φ55*Φ26.5*15	Φ70*Φ20*19
Weight(g)	4	10	20	36	55	170	350

IEPE type force and acceleration composite type

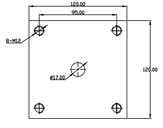
- Hexagonal structure, fast response
- Small size, light weight, high rigidity
- Can measure both force and acceleration simultaneously
- Suitable for mechanical impedance measurement and excitation mode analysis

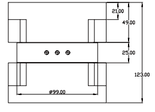


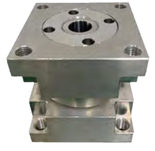
Model Number	D06B06
Force characteristics	
Range(kN)	±1
Sensitivity(mV/N)	5
Natural Frequency(kHz)	≥20k
Non-linearity (%)	≤1
Overload (%)	120
Acceleration characteristics	
Sensitivity(mV/g)	100
Range(g)	±50
Frequency Range(Hz)	0.5-5k
Electrical	
Excitation Voltage(VDC)	20-30
Constant Current Excitation(mA)	2-20
Resolution (N)	0.2
Resolution (g)	0.01
Environmental	
Temperature Range(℃)	-50~120
Physical	
Sensing Element	quartz
Housing Material	stainless steel
Output Mode	2-M5/10-32 Side
Mounting Thread	2-M5
Weight(g)	67

PE three-axis force chain

- Can simultaneously measure three perpendicular forces
- sturdy and durable
- High load-bearing capacity
- Compactness







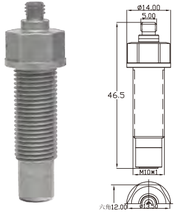
Model Number	D08BA4	D09BA4	D10BA4	D12BA4	D13BA4
Performance					
Range Fz(kN)	±5	±10	±20	±40	±100
Range Fx、Fy(kN)	±2.5	±4	±10	±20	±30
Sensitivity Fz(pC/N)	4	4	2	4	2
Sensitivity Fx、Fy(pC/N)	7.5	7.5	3.7	7.5	3.6
Natural Frequency(kHz)	≥30	≥30	≥20	≥15	≥8.5
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120
Electrical					
Insulation Resistance(Ω)	$\geq 10^{13}$	$\geq 10^{13}$	$\geq 10^{13}$	$\geq 10^{13}$	$\geq 10^{13}$
Environmental					
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical					
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	3-M5	3-M5	3-M5	3-M5	3-M5
Mounting Thread	8-M5(32*32)	8-M5(38*38)	8-M6（45*45)	8-M10(60*60)	8-M16(96*96)
Size(mm)	42*42*44	48*48*45	55*55*58	80*80*90	120*120*123
Weight(g)	390	550	1000	3150	10000

F-series dynamic pressure sensor

- wind tunnel
- Jet engine flow field and intake pressure testing
- Turbulence testing
- Hydraulic measurement
- Blasting test

F SERIES

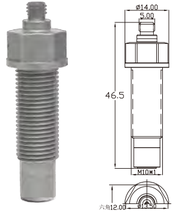
IEPE universal pressure sensor



- EPE type pressure sensor
- Sensitive dynamic pressure measurement under high static pressure
- Top 10-32 nozzle output

Model Number	F07AB0	F08AB0	F09AB0	F10AB0	F11AB0	F12AB0
Performance						
Sensitivity (mV/MPa)	500	750	1000	2000	5000	10000
Range (MPa)	10	7	5	2.5	1	0.5
Natural Frequency(kHz)	≥50	≥50	≥50	≥50	≥50	≥50
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1
Rise time (μs)	≤4	≤4	≤4	≤4	≤4	≤4
Electrical						
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20	2-20
Resolution(KPa)	0.6	0.4	0.3	0.15	0.1	0.05
Environmental						
Temperature Range(℃)	-55-150	-55-150	-55-150	-55-150	-55-150	-55-150
Physical						
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M10*1	M10*1	M10*1	M10*1	M10*1	M10*1
Weight(g)	21	21	21	21	21	21

PE universal pressure sensor

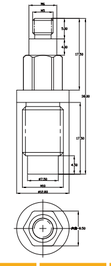


- PE type pressure sensor
- Sensitive dynamic pressure measurement under high static pressure
- Top 10-32 nozzle output

Model Number	F10AA0				
Performance					
Sensitivity (pC/MPa)	1600	1600	1600	1600	1600
Range (MPa)	0.5	1	2.5	5	10
Natural Frequency(kHz)	≥100	≥100	≥100	≥100	≥100
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Rise time (μs)	≤4	≤4	≤4	≤4	≤4
Environmental					
Temperature Range(℃)	-55-150	-55-150	-55-150	-55-150	-55-150
Electrical					
Insulation Resistance(Ω)	$\geq 10^{11}$	$\geq 10^{11}$	$\geq 10^{11}$	$\geq 10^{11}$	$\geq 10^{11}$
Physical					
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M10*1	M10*1	M10*1	M10*1	M10*1
Weight(g)	21	21	21	21	21

IEPE explosion pressure sensor

- Small size, light weight
- Pipeline pressure explosion pressure measurement
- Wide frequency response and high stiffness
- Short rise time and high natural frequency



Model Number	F04AB2	F05AB2	F07AB2	F09AB2	F10AB2	F11AB2	F12AB2
Performance							
Sensitivity (mV/MPa)	20	100	500	1000	2000	5000	10000
Range (MPa)	100	50	10	5	2.5	1	0.5
Natural Frequency(kHz)	≥200	≥200	≥200	≥200	≥200	≥200	≥200
Rise time (μs)	≤2	≤2	≤4	≤4	≤4	≤4	≤4
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120	120	120
Electrical							
Excitation Voltage(VDC)	24 ~ 28	24 ~ 28	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	4-15	4-15	4-20	4-20	4-20	4-20	4-20
Resolution(KPa)	10	5	2	1.5	0.6	0.25	0.1
Environmental							
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-55-120	-55-120	-55-120	-55-120	-55-120
Physical							
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M10×1	M10×1	M10×1	M10×1	M10×1	M10×1	M10×1
Size(mm)	Φ12.8×38	Φ12.8×38	Φ12.5×34.5	Φ12.5×34.5	Φ12.5×34.5	Φ12.5×34.5	Φ12.5×34.5
Weight(g)	14	14	12	12	12	12	12

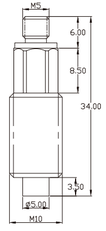
PE explosion pressure sensor

- Small size, light weight
- Pipeline pressure explosion pressure measurement
- Wide frequency response and high stiffness
- Short rise time and high natural frequency

Model Number	F03AA2	F06AA2	F08AC2	F09AA2	F10AA2	F11AA2
Performance						
Sensitivity (pC/MPa)	45	120	530	1000	2000	5000
Range (MPa)	30	60	10	20	5	1
Natural Frequency(kHz)	≥200	≥200	≥200	≥200	≥200	≥200
Rise time (μs)	≤2	≤2	≤4	≤2	≤2	≤2
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120	120
Electrical						
Insulation Resistance(Ω)	$\geq 10^{13}$	$\geq 10^{12}$	$\geq 10^{11}$	$\geq 10^{12}$	$\geq 10^{12}$	$\geq 10^{12}$
Environmental						
Temperature Range(℃)	-40 ~ 200	-40 ~ 150	-40 ~ 300	-40 ~ 150	-40 ~ 150	-40 ~ 150
Physical						
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	crystal	crystal	crystal
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M7×0.75	M10×1	M7×0.75	M10×1	M10×1	M10×1
Size (mm)	Φ6.3×37.6	Φ12.8×30	Φ6.3×37.6	Φ12.8×30	Φ12.8×30	Φ12.8 ×30
Weight(g)	5	10	5	10	10	10

IEPE high-frequency large range type

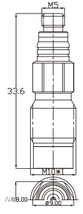
- A large number of journeys
- Can be statically calibrated
- Measurement of pipeline pressure and explosion pressure



Model Number	F01AB1	F02AB1	F03AB1	F04AB1	F05AB1	F07AB1
Performance						
Sensitivity (mV/MPa)	8	12.5	25	50	100	500
Range (MPa)	600	400	200	100	50	10
Customized range(MPa)	400 ~ 600	200 ~ 400	100 ~ 200	50 ~ 100	10 ~ 50	0.1 ~ 10
Natural Frequency(kHz)	≥250	≥250	≥250	≥250	≥250	≥250
Rise time (μs)	≤1	≤1	≤1	≤1	≤1	≤1
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120	120
Electrical						
Excitation Voltage(VDC)	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28
Constant Current Excitation(mA)	4-15	4-15	4-15	4-15	4-15	4-15
Resolution(KPa)	60	40	20	10	5	1
Environmental						
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical						
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M10×1	M10×1	M10×1	M10×1	M10×1	M10×1
Size(mm)	Φ10×34	Φ10×34	Φ10×34	Φ10×34	Φ10×34	Φ10×34
Weight(g)	9	9	9	9	9	9

PE high-frequency large range type

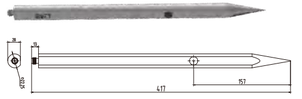
- large range
- Measurement of pipeline pressure and explosion pressure
- Can be statically calibrated
- Top M5 nozzle output



Model Number	F04AA1					F05AA1		
Performance								
Sensitivity (pC/MPa)	35	35	35	35	35	55	55	55
Range (MPa)	25	50	100	200	400	25	50	100
Natural Frequency(kHz)	≥200	≥200	≥200	≥200	≥200	≥200	≥200	≥200
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1
Rise time (μs)	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4
Electrical								
Insulation Resistance(Ω)	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$	$≥10^{10.5}$
Environmental								
Temperature Range(℃)	-55~200	-55~200	-55~200	-55~200	-55~200	-55~200	-55~200	-55~200
Physical								
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	quartz	quartz	quartz	quartz
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32	M5/10-32
Mounting Thread	M10*1	M10*1	M10*1	M10*1	M10*1	M10*1	M10*1	M10*1
Size (mm)	Φ10×31.5	Φ10×31.5	Φ10×31.5	Φ10×31.5	Φ10×31.5	Φ10×33.6	Φ10×33.6	Φ10×33.6
Weight(g)	13	13	13	13	13	13	13	13

IEPE air free field pressure sensor

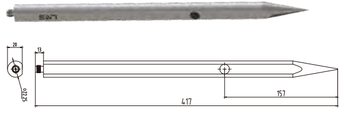
- Specially developed for pressure time curves of explosion shock waves and shock tunnels, the pressure testing direction can accurately measure dynamic pressure waveforms and amplitudes with rapid and steep rise without distortion



Model Number	F0XAB3	F04AB3	F05AB3	F07AB3	F09AB3	F11AB3
Performance						
Sensitivity (mV/MPa)	≤50	≤50	100	250	1000	5000
Range (MPa)	> 100(customized)	100	50	20	5	1
Customized IEPE range(MPa)	> 100(customized)	50-100	20-50	5-20	1-5	0.01-1
Natural Frequency(kHz)	≥250	≥250	≥250	≥250	≥250	≥250
Rise time (μs)	≤2	≤2	≤2	≤2	≤2	≤2
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120	120
Electrical						
Excitation Voltage(VDC)	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28
Constant Current Excitation(mA)	4-15	4-15	4-15	4-15	4-15	4-15
Resolution(KPa)	--	10	5	2	1	1
Environmental						
Temperature Range(℃)	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120	-40 ~ 120
Physical						
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	quartz	quartz	quartz	quartz	crystal	crystal
Housing Material	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel
Output Mode	TNC	TNC	TNC	TNC	TNC	TNC
Mounting Thread	clamp	clamp	clamp	clamp	clamp	clamp
Size(mm)	Φ22.3×410	Φ22.3×410	Φ22.3×410	Φ22.3×410	Φ22.3×410	Φ22.3×410
Weight(g)	400	400	400	400	400	400

PE air free field pressure sensor

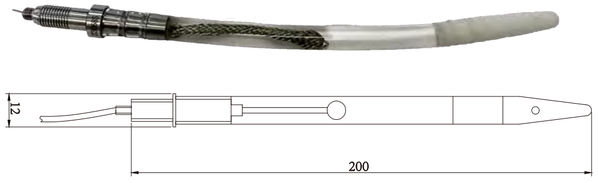
- Specially developed for pressure time curves of explosion shock waves and shock wind tunnels, the pressure testing direction can accurately measure dynamic pressure waveforms and amplitudes with fast and steep rise without distortion, connected to a broadband constant current adapter



Model Number	F06AA3	F09AA3	F10AA3	F12AA3
Performance				
Sensitivity (pC/MPa)	120	1000	2000	6000
Range (MPa)	100	50	20	1
Natural Frequency(kHz)	≥250	≥250	≥250	≥250
Rise time (μs)	≤2	≤2	≤2	≤2
Non-linearity (%)	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120
Electrical				
Insulation Resistance(Ω)	$≥10^{11}$	$≥10^{11}$	$≥10^{11}$	$≥10^{11}$
Environmental				
Temperature Range(℃)	-40 ~ 150	-40 ~ 150	-40 ~ 150	-40 ~ 150
Physical				
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	crystal	crystal	crystal	crystal
Housing Material	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel	LY12/stainless steel
Output Mode	TNC	TNC	TNC	TNC
Mounting Thread	clamp	clamp	clamp	clamp
Size (mm)	Φ22.3×410	Φ22.3×410	Φ22.3×410	Φ22.3 ×410
Weight(g)	400	400	400	400

IEPE underwater free field pressure sensor

- Wide frequency response
- Experience pressure signals from all angles
- Good waterproof performance



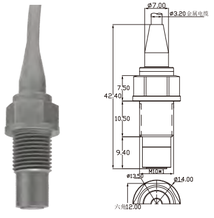
Model Number	FXXCB4	F04CB4	F05CB4	F07CB4	F08CB4
Performance					
Sensitivity (mV/MPa)	50	50	100	250	700
Range (MPa)	100	100	50	20	7
Customized IEPE range(MPa)	> 100 (customized)	50-100	20-50	7-20	1-7
Natural Frequency(kHz)	≥1000	≥1000	≥1000	≥1000	≥1000
Rise time (μs)	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Overload (%)	120	120	120	120	120
Electrical					
Excitation Voltage(VDC)	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28	24 ~ 28
Constant Current Excitation(mA)	4-15	4-15	4-15	4-15	4-15
Resolution(KPa)	--	10	5	2	1
Environmental					
Temperature Range(℃)	-20 ~ 50	-20 ~ 50	-20 ~ 50	-20 ~ 50	-20 ~ 50
Physical					
Sealing	Laser welding+vulcanization	Laser welding+vulcanization	Laser welding+vulcanization	Laser welding+vulcanization	Laser welding+vulcanization
Sensing Element	tourmaline	tourmaline	tourmaline	tourmaline	tourmaline
Housing Material	Polyurethane hose	Polyurethane hose	Polyurethane hose	Polyurethane hose	Polyurethane hose
Output Mode	Overall BNC	Overall BNC	Overall BNC	Overall BNC	Overall BNC
Mounting Thread	Wire suspension	Wire suspension	Wire suspension	Wire suspension	Wire suspension
Size(mm)	Φ12×200	Φ12×200	Φ12×200	Φ12×200	Φ12×200
Weight(g)	30	30	30	30	30

IEPE water tight pressure sensor

- IEPE type pressure sensor
- Waterproof pressure 2MPa
- Sensitive dynamic pressure measurement under high static pressure
- Waterproof integrated cable design

Model Number	F06GB5	F07GB5	F08GB5	F09GB5	F10GB5
Performance					
Sensitivity (mV/MPa)	200	500	750	1000	2000
Range (MPa)	25	10	7	5	2.5
Natural Frequency(kHz)	≥50	≥50	≥50	≥50	≥50
Non-linearity (%)	≤1	≤1	≤1	≤1	≤1
Rise time (μs)	4	4	4	4	4
Environmental					
Temperature Range(℃)	-55~120	-55~120	-55~120	-55~120	-55~120
Electrical					
Excitation Voltage(VDC)	20-30	20-30	20-30	20-30	20-30
Constant Current Excitation(mA)	2-20	2-20	2-20	2-20	2-20
Resolution(MPa)	0.4	0.15	0.1	0.08	0.05
Physical					
Sealing	Laser welding	Laser welding	Laser welding	Laser welding	Laser welding
Sensing Element	ceramics	ceramics	ceramics	ceramics	ceramics
Housing Material	titanium alloy	titanium alloy	titanium alloy	titanium alloy	titanium alloy
Output Mode	Water tight connected cable with LEMO connector	Water tight connected cable with LEMO connector	Water tight connected cable with LEMO connector	Water tight connected cable with LEMO connector	Water tight connected cable with LEMO connector
Mounting Thread	M10*1	M10*1	M10*1	M10*1	M10*1
Weight(g)	50	50	50	50	50

PE extreme environment type



- PE type pressure sensor
- Sensitivity can reach 620 pC/MPa
- Can withstand liquid metal environment at 350 degrees Celsius
- Connected cable output

Model Number	F08GC0			
Performance				
Sensitivity (pC/MPa)	620	620	620	620
Range (MPa)	10	5	2	1
Natural Frequency(kHz)	≥50	≥50	≥50	≥50
Non-linearity (%)	≤1	≤1	≤1	≤1
Rise time (μs)	4	4	4	4
Electrical				
Insulation Resistance(25℃)(Ω)	≥1×10^{11}	≥1×10^{11}	≥1×10^{11}	≥1×10^{11}
Insulation Resistance(300℃)(Ω)	≥1×10^{6}	≥1×10^{6}	≥1×10^{6}	≥1×10^{6}
Environmental				
Temperature Range(℃)	-55~350	-55~350	-55~350	-55~350
Physical				
Sealing	Laser Welding	Laser Welding	Laser Welding	Laser Welding
Sensing Element	ceramics	ceramics	ceramics	ceramics
Housing Material	stainless steel	stainless steel	stainless steel	stainless steel
Output Mode	Conjoined metal cable			
Mounting Thread	M10*1	M10*1	M10*1	M10*1
Weight(g)	15	15	15	15

Installation of accessories and instruments

- High and low temperature
- Multi-channel
- High temperature and radiation resistance

ACCESSORY

In-line charge converter

- Convenient in-line charge converter
- Power required DC18-30V
- Multiple gain options

Model	G02A01	G02A04	G02A07	G02A10	G02A16	G02A19
Sensitivity (mV/pC)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1
Input Range (pC Max)	50000	50000	50000	50000	50000	50000
Broadband (± 10%) (Hz)	0.5-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Sensor input type	PE	PE	PE	PE	PE	PE

Model	G02A02	G02A05	G02A08	G02A11	G02A17	G02A20
Sensitivity (mV/pC)	1(±2%)	1(±2%)	1(±2%)	1(±2%)	1(±2%)	1
Input Range (pC Max)	5000	5000	5000	5000	5000	5000
Broadband (± 10%) (Hz)	1-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Sensor input type	PE	PE	PE	PE	PE	PE

Model	G02A03	G02A06	G02A09	G02A12	G02A18	G02A21
Sensitivity (mV/pC)	10(±2%)	10(±2%)	10(±2%)	10(±2%)	10(±2%)	10
Input Range (pC Max)	500	500	500	500	500	500
Broadband (± 10%) (Hz)	0.5-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40-120	-40-120	-40-120	-40-120	-40-120	-40-120
Sensor input type	PE	PE	PE	PE	PE	PE

Charge amplifier

- Channels 4,6,8(can be customized)
- Low noise, wide band, with gain
- Automatic conversion of sensor multiplier to rated output
- Output overload indicator

Single channel charge amplifier

Model	G02B01
Maximum Input (pC)	$\pm10^6$
Sensitivity (mV/pC)	0.01-1000
Sensor sensitivity adjustment	Three digit decimal press code switch
High pass filter	lower limit 0.3、1、3、10、30、100Hz 6th gear
low pass filter	upper limit 100、1k、3k、10k、30k、100kHz 6th gear
Broadband (±3dB) (Hz)	0.3-100k
Maximum output amplitude (Vp)	±10
Noise (mVrms)	≤1
Overload indication	light-emitting diode
Power supply (AC)	220V
External dimensions (mm)	7 0(W)x132.5(H)x200(D)
Weight (kg)	2
Sensor input type	PE
Temperature range (°C)	0-50

Multi channel combined charge amplifier

Model	G02B02
Number of channels	4 channels
Maximum input (pC)	$\pm10^6$
Sensor sensitivity adjustment (pC/Unit)	1.0-999
Gain gear	Six levels: 0.1, 1, 3, 10, 30, and 100
low pass filter	100、1k、3k、10k、30k、100k
Broadband (± 3dB) (Hz)	0.3-100k
Accuracy (%)	< ±1
Input socket	BNC
output jack	BNC
Maximum output voltage (Vp)	±10
Noise (mV)	< 5
Overload indication	Red LED lights up
Power supply (AC)	220V
Dimensions (mm)	281 (l) x 280 (w) x 106 (h)
Weight (kg)	five

Multi-channel charge amplifier

Model	G02B03
Number of channels	4、6、8 Channels (custom)
Maximum Input (pC)	$\pm10^6$
Sensitivity adjust(pC/Unit)	0.5-999
Gain gear	x1/x10/x100/ fixed
low pass filter	10Hz, 100Hz, 1kHz, 10kHz, 30kHz
	100kHz(-3dB±1dB)attenuation-12dB/oct
Broadband (± 3aB) (Hz)	0.3-100k
Precision (%)	< 1
Voltage amplitude accuracy (%)	±1 @160Hz
Output voltage (Vp)	±10
Output current (mA)	±5
Minimum load resistance (kΩ)	2
Noise (mVrms)	≤1
Overload indication	light-emitting diode
Power supply (AC)	220V
External dimensions (mm)	250(Length)x310(Width)x100(Height
Weight (kg)	4
Sensor input type	PE
Temperature range (° C)	0-50

Differential charge amplifier

Model	G02B04
Sensitivity (mV/pC)	0.1.1.3.10.30.100 6th gear
Input range pCMax (pC)	10^6
High pass filter	lower limit 0.3、1、3、10、30、100Hz 6th gear
Low pass filter (Hz)	upper limit 100、1k、3k~500、10k、30k、100kHz 6th gear
Broadband (± 3dB) (Hz)	0.3~200k
Noise (mVrms)	≤10
Precision (%)	±1
Overload indication	light-emitting diode
Output range (Vp)	±10V
Power supply voltage (AC)	220V/24V
Input socket	3Pin Remo socket
output jack	BNC/M5
Size (mm)	200(L)x60(W)x107(H)
Weight (kg)	1.2
Sensor input type	PE
Temperature range (°C)	0-50

Constant current voltage source

- 22V/4mA output signal conditioners
- 18-30V direct power supply or built-in 9v battery powe
- Simple, reliable, working status indication

G01A02	x1	x10
characteristic	Portable low noise	Portable low noise
Constant current (mA)	4(2-10customizable)	
Constant voltage (VDC)	24	24
Frequency range (+3dB) (Hz)	0.1-100k	0.1-50k
Noise (mVrms)	0.01	0.1
Precision (%)	±1	±1
Output Range (V)	±6	±6
Power supply voltage (DC)	9V(battery)/7~24V (External power supply)	
Input/output socket	BNC	BNC
Size (LxWxH) (mm)	97x61x27	97x61x27
Sensor input type	IEPE	IEPE
Temperature range (° C)	0~50	0~50
Weight (g)	80	80

Model	G01B02
Channels	4
Constant voltage (V)	18~30
Constant current (mA)	4(2~10customizable)
Magnification factor	x1 , x10
Frequency range (+3dB) (Hz)	0.1~100k(x1); 0.1~30k(x10)
Electrical noise (mV rms)	< 0.01(x1) , 0.5(x10)
Interference noise (mV rms)	< 0.1
Precision (%)	< ±1
Output signal voltage (AC terminal) (V)	±5
Output signal voltage (DC terminal) (V)	0~5
power supply	24V Built in lithium battery
Input/output socket	BNC
External dimensions (mm)	145x155x162
Weight (kg)	1.05
Sensor input type	IEPE
Temperature range (°C)	0~50
Charging method	DC25.2V/1A charger

Zero frequency voltage source

Model	G04A02
Output voltage (DCV)	10-12.6
Number of channels	6、12(customizable)
output connector	BNC
Maximum charging current (A)	3
Maximum output current (A)	5
Cut off power generation voltage (V)	10
Standard voltage (V)	12.8
Built in lithium battery (mAH)	6000
Battery Indicator	Digital dial
Charging power supply (V/mA)	12/500
Size (mm)	145x54x82
Chassis material	Aluminum alloy

Vibration system

The V01 series vibration table uses permanent magnet materials, which are very suitable for modal analysis. It has a small volume, a wide frequency range, and can provide high peak thrust and acceleration.

Industrial applications

- Modal and structural analysis
- Electronic assembly testing
- Laboratory testing

Model	V01-50	V01-100	V01-200	V01-500	V01-1000
parameter					
Peak excitation force sine/random (forced air cooling)	—	—	200N	500/350N	1000/700N
Peak excitation force sine/random (natural cooling)	50N	100N	100N	250/175N	500/350N
Vertical frequency range (Hz)	DC-12000	DC-8000	DC-8000	DC-6000	DC-4500
Maximum displacement (mm)	16	18	18	20	20
Maximum acceleration g	40	35	70	100	100
Equivalent mass of moving parts (kg)	0.13	0.32	0.3	0.45	1
Platform mass (kg)	4.0	14.5	14.5	16	41
External dimensions (mm)	183*110*167	242*202*250	242*202*250	262*192*247	343*267*347

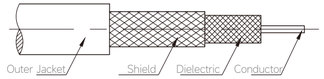
Connector

Cable Conector **Example:** K 01 AA 02 - 6m

CONNECTOR SERIES NO. CONNECTOR CABLE TYPE CABLE LENGTH

Photo	Model	Cable Type	Photo	Model	Cable Type
	14	10-32		113	10-32(jack)
	04	TNC		119	M5(jack)
	06	1/4-28 4pin(plug)		73	lemo 2pin(plug)
	05	1/4-28 4pin(jack)		92	lemo 2pin(jack)
	61	high temperature 10-32		65	M4.5 4pin
	75	7/16-27 2pin(plug)		55	M3
	01	M5		67	8-36 4pin(plug)
	78	M3(jack)		76	5/16-32 9pin
	03	BNC(jack)		26	5-44(plug)
	93	7/16-27 2pin		08	SMA(plug)
	12	5015 2pin		09	SMB(plug)
	02	BNC		19	M5x3
	41	BNCx2(Uniaxial)		72	BNCx3
	37	BNCx4(Three axes)		81	BNCx4(Three axes)

Cable



Model	Cable Type	Outer Jacket	Diameter (mm)	Temperature Range (°C)	Color	Compatible connectors
Coaxial cable						
AA	low noise,shielded	PVC	1.9	-40~65	black	M5、10-32、BNC
AB	low noise,shielded	PFA	1.9	-70~250	black、orange、blue	M5、10-32、BNC
AC	low noise,shielded	PVC	2.8	-40~65	black、orange	M5、10-32、BNC
AF	ordinary coaxial	PVC	5	-40~65	black	BNC
AK	low noise,shielded	PFA	1.6	-60~250	black	M3、M5、10-32、BNC
AR	low noise,shielded	TPV	3	-50~130	black	10-32、BNC
AL	low noise,shielded	F46	1	-60~250	black、blue	M3
AP	low noise,shielded	PU	3	-50~120	black、grey	10-32、BNC
4-core cable						
AD	4 core,shielded	PVC	2.7	-40~65	black、orange	1/4-28 4pin
AE	4 core,shielded	F46	3	-60~250	black、blue	1/4-28 4pin
AN	4 core,low noise	TPV	3	-50~130	black	1/4-28 4pin
BB	4 core,low noise	F46	2	-60~250	orange、blue	1/4-28 4pin
BC	4 core,low noise	PU	3	-50~120	grey	1/4-28 4pin
Metal cables						
AW	High temperature, metallic	IN600	1.6	-60~500	metal	High temperature 10-32
BH	High temperature, metallic	IN600	3.2	-60~500	metal	7/16-27 2pin、lemo 2pin
BM	High temperature, metallic	IN600	2	-60~500	metal	7/16-27 2pin、lemo 2pin
Twisted-Pair Cable						
AH	Dual core industrial cable	PVA	5	-25~70	black	5015、BNC
CC	High temperature, twisted pair	PTFE	4.3	-55~260	red	7/16-27 2pin、lemo 2pin
BK	High temperature, twisted pair	AFPF	3.6	-60~250	blue	BNC、7/16-27 2pin、lemo 2pin
Multi-core cable						
BD	low noise,shielded	TPV	4.5	-60~125	orange	5/6-32 9pin

Mounting accessories

Mounting Accessories


A-type


B-type


C-type


D-type

Model No.	H02B02	H02B03	H02B05	H02B06	H02B08	H02B09	H02B17	H02B18	H02B19	H02B20	H02B28	H02B30	H02B31	H02B32	H02B33	H02B34	H03C06	H03B01
Diameter(mm)	HEX 15	HEX 20	HEX 15	HEX 20	HEX 15	HEX 20	HEX 15	HEX 20	HEX 15	HEX 20	HEX 20	HEX 11	HEX 15	HEX 20	16	16	HEX 32	HEX 18
Thickness(mm)	4	4	4	4	4.7	4.7	4.7	4.7	4.7	4.7	5.3	5.1	4.7	4.7	6	6	6	5.4
Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	FR4	FR4	alumina	alumina
Mounting Thread1	M5	M5	10-32	10-32	10-32	10-32	1/4-28	1/4-28	10-32	10-32	M5(F)	M5	M5	M5	M5(F)	M6x0.75(F)	M5(F)	M5(F)
Mounting Thread2	M5	M5	M5	M5	——	——	——	——	M5(F)	M5(F)	M5(F)	M3(F)	M5(F)	M5(F)	M5(F)	M6x0.75(F)	——	——
Insulation(Ω)	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8	≥10^8
Force(N·m)	3.0	5.0	5.0	8.0	——	——	——	——	5.0	8.0	8.0	3.0	5.0	8.0	3.0	3.5	3.0	3.0
Type	A-type	A-type	A-type	A-type	A-type	A-type	A-type	A-type	A-type	A-type	B-type	A-type	A-type	A-type	C-type	C-type	D-type	D-type

Triaxial Mounting Adaptors


stainless steel


delrin


phenolic plastics

Model	Dimensions	Material	Accel fasteners	Insulation	Mounting via
H01C01	16x16x16	stainless steel	M5	——	M5 tap
H01C02	20x20x20	stainless steel	M5	——	M5 tap
H01C04	20x20x20	stainless steel	M6x0.75	——	M6x0.75 tap
H01C05	20x20x20	stainless steel	M6x0.75	——	M6x0.75 tap
H01C06	20x20x35	stainless steel	M6x0.75	——	M6x0.75 tap
H01C07	30x30x52.5	stainless steel	M6x0.75	——	M6x0.75 tap
H01C08	40x40x70	stainless steel	M6x0.75	——	M6x0.75 tap
H01C09	30x30x52.5	stainless steel	M5	——	M5 tap
H01C10	30x30x30	stainless steel	M6x0.75	——	M6x0.75 tap
H01C11	16x16x16	Hard aluminum	M5	——	M5 tap
H02C01	16x16x16	delrin	M5	≥10^8Ω	M5 tap
H02C02	20x20x20	delrin	M5	≥10^8Ω	M5 tap
H02C05	20x20x20	phenolic plastics	M5	≥10^8Ω	M5 tap
H02C06	30x30x30	phenolic plastics	M5	≥10^8Ω	M5 tap
H02C08	20x20x20	phenolic plastics	10-32	≥10^8Ω	10-32 tap
H02C12	20x20x20	Zirconia	M5	≥10^8Ω	M5 tap

Magnetic Mounting Bases

Model	Dimensions	Material	Mounting Thread	Insulation
H01D01	φ20x5	steel+AlNiCo	M5 male	——
H01D02	φ25x7.5	steel+AlNiCo	M5 male	——
H01D05	φ25x8	steel+AlNiCo	M5 female	——
H01D07	φ22x7.5	steel+AlNiCo	1/4-28 male	——
H01D11	φ20x5	steel+AlNiCo	10-32 male	——
H01D12	φ25x7.5	steel+AlNiCo	10-32 male	——
H02D01	φ20x5.5	steel+AlNiCo	M5 male	≥10^8Ω
H02D02	φ25x8	steel+AlNiCo	M5 male	≥10^8Ω
H01D10	φ16x4	steel+AlNiCo	M5 male	——
H02D03	φ20x9.5	steel+AlNiCo	M3 female	≥10^8Ω
H02D04	φ20x8.5	steel+AlNiCo	M5 female	≥10^8Ω
H02D05	φ25x11	steel+AlNiCo	M5 female	≥10^8Ω
H01D08	φ14x7.5(Horseshoe shape)	steel+AlNiCo	M5 male	——
H01D09	φ14x11(Horseshoe shape)	steel+AlNiCo	M5 female	——
H02D07	φ26x13(Horseshoe shape)	steel+AlNiCo	M5 male	≥10^8Ω

Mounting screw and connector adaptors

Mounting Screw

Photo	Model Number	Thread	Length(mm)
	J01A02	M2-M2.5	5
	J02A03	M2.5-M3	5.6
	J02A05	M2.5-M5	5
	J02A13	M2.5-(10-32)	5
	J03A05	M3-M5	7
	J03B05	M3-M5	5.7
	J03A13	M3-(10-32)	7.8
	J03B13	M3-(10-32)	5.4
	J05A06	M5-M6	8.2
	J05A07	M5-M6*0.75	9
	J05A10	M5-(5-40)	7.5
	J05A13	M5-(10-32)	8.8
	J05B13	M5-(10-32)	6.9
	J05C13	M5-(10-32)	5
	J05A14	M5-(1/4-28)	7.5
	J06A13	M6-(10-32)	7.7
	J07A13	M6*0.75-(10-32)	7.7
	J13A14	(10-32)-(1/4-28)	7.7
	J14A15	(1/4-28)-(5/16-18)	9

Connector Adaptors

Photo	Model Number	Connection	Material
	L01A01	M5/M5	Gold-plated copper
	L14A14	10-32/10-32	Gold-plated copper
	L01A02	M5/BNC(plug)	Copper nickel plating
	L01A03	M5-BNC(jack)	Copper nickel plating
	L14A02	10-32/BNC(plug)	Copper nickel plating
	L14A03	10-32/BNC(jack)	Copper nickel plating
	L02A02	BNC(plug)/BNC(plug)	Copper nickel plating
	L03A03	BNC(jack)/BNC(jack)	Copper nickel plating
	L02A03A03	BNC(plug)/2*BNC(jack)	Copper nickel plating
	L03A03A03	3*BNC(jack)	Copper nickel plating