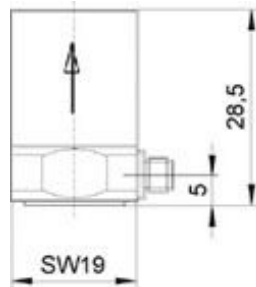


Standard Accelerometer

KD41

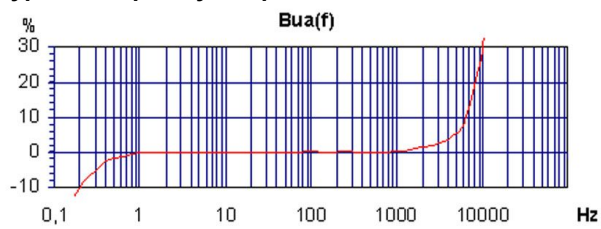
Properties

- Low-cost precision accelerometer with compression ceramics
- Charge output, no external power required
- Wide dynamic range
- Rugged stainless steel housing



Piezo design	Compression	
Output	Charge	
Charge sensitivity	100	pC/g
Sensitivity tolerance	20	%
Measurement range, pos./neg.	1000 / 300	g
Destruction limit	1000	g
Capacitance without cable	800	pF
Transverse sensitivity	<10	%
Upper frequency limit (3 dB)	11000	Hz
Upper frequency limit (10 %)	6500	Hz
Upper frequency limit (5 %)	5000	Hz
Resonant frequency	>20	kHz
Resonance amplitude	30	dB
Operating temperature range	-35 - 150	°C
Temperature coefficient of voltage sensitivity	0,07 (°C)	%/K
Temperature transient sensitivity	10	m/s ² /K
Acoustic noise sensitivity	0,03	m/s ² /Pa
Magnetic field sensitivity	10	m/s ² /T
Base strain sensitivity	0,1	m/s ² /μD
Weight without cable	60	g
Case material	Stainless steel	
Connector direction	radial	
Connector	UNF10-32	
Mounting	M5	

Typical Frequency Response



Connection Accessories

- 009-UNF-UNF-1,5
- 009-UNF-BNC-1,5
- 010-UNF-BNC-10
- 017
- 025

Mounting Accessories

- 001
- 005
- 029
- 046
- 030

Delivery version with accessories kit KD41/01

- KD41
- 009-UNF-BNC-1,5
- 002
- 006
- 008

Notice: The standard delivery includes an individual data sheet.
Upon request, we also offer DAkkS-accredited calibration.

Manfred Weber

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