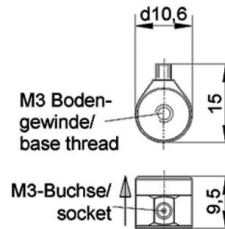


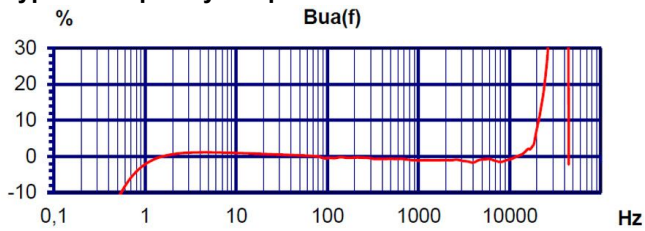
Properties

- Miniature transducer for light test objects
- Wide dynamic range
- High resonant frequency
- Two sensitivity versions (10 and 100 mV/g)
- Good resolution, also at low frequencies
- M3 base thread

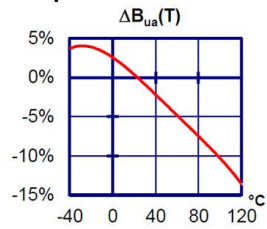


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	100	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	60	g
Destruction limit	8000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,3	Hz
Upper frequency limit (3 dB)	28000	Hz
Lower frequency limit (10 %)	0,6	Hz
Upper frequency limit (10 %)	20000	Hz
Lower frequency limit (5 %)	1	Hz
Upper frequency limit (5 %)	18000	Hz
Resonant frequency	>40	kHz
Resonance amplitude	25	dB
Constant current supply	2 - 20	mA
Bias voltage at 4 mA	12 - 14	V
Output impedance	<100	Ω
Residual noise; wide band; RMS	<400 (0,5 - 20000 Hz)	μ g
Noise density 1 Hz	100	μ g/ \sqrt Hz
Noise density 10 Hz	15	μ g/ \sqrt Hz
Noise density 100 Hz	4	μ g/ \sqrt Hz
Noise density 1000 Hz	1	μ g/ \sqrt Hz
Operating temperature range	-40 - 120	$^{\circ}$ C
Temperature coefficient of voltage sensitivity	-0,08 (-20 $^{\circ}$ C)	%/K
	-0,12 (20 $^{\circ}$ C)	%/K
	-0,13 (80 $^{\circ}$ C)	%/K
	-0,14 (>80 $^{\circ}$ C)	%/K
Temperature transient sensitivity	0,3	m/s 2 /K
Magnetic field sensitivity	1,7	m/s 2 /T
Weight without cable	3.2	g
Case material	Aluminum/stainless steel	
Connector direction	radial	
Connector	Subminiature M3	
Mounting	M3	

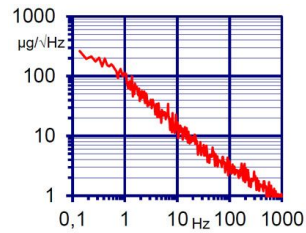
Typical Frequency Response



Temperature Coefficient



Noise Characteristics



Connection Accessories

- 009-SUB-BNC-1,5
- 009/T-SUB-UNF-1,5
- 017
- 025

Mounting Accessories

- 002
- 106
- 022
- 130

Delivery version with accessories kit KS95C100/01

- KS95C100
- 009-SUB-BNC-1,5
- 002
- 129

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

Manfred Weber

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