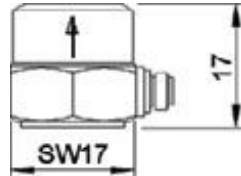


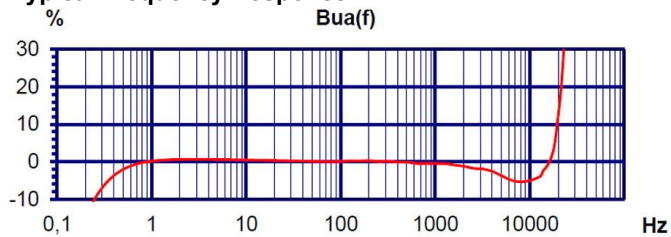
Properties

- Shear-type accelerometer with IEPE output
- Two sensitivity versions (10 and 100 mV/g)
- Low sensitivity to temperature transients
- Low influence of base bending effects
- High linear band width
- Low noise, high resolution
- Rugged stainless steel housing

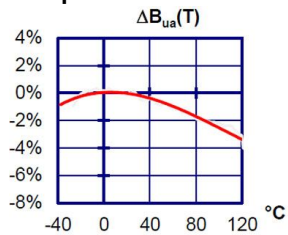


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	10	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	600	g
Destruction limit	6000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,12	Hz
Upper frequency limit (3 dB)	33000	Hz
Lower frequency limit (10 %)	0,25	Hz
Upper frequency limit (10 %)	26000	Hz
Lower frequency limit (5 %)	0,35	Hz
Upper frequency limit (5 %)	24000	Hz
Resonant frequency	>50	kHz
Resonance amplitude	25	dB
Constant current supply	2 - 20	mA
Bias voltage at 4 mA	12 - 14	V
Output impedance	<130	Ω
Residual noise; wide band; RMS	<2000 (0,5 - 20000 Hz)	μg
Noise density 1 Hz	300	μg/√Hz
Noise density 10 Hz	80	μg/√Hz
Noise density 100 Hz	25	μg/√Hz
Noise density 1000 Hz	10	μg/√Hz
Operating temperature range	-30 - 130	°C
Temperature coefficient of voltage sensitivity	0,06 (<0 °C)	%/K
	±0,02 (0 - 30 °C)	%/K
	-0,06 (>30 °C)	%/K
Temperature transient sensitivity	0,1	m/s²/K
Weight without cable	20	g
Case material	Stainless steel	
Connector direction	radial	
Connector	UNF10-32	
Mounting	M5	

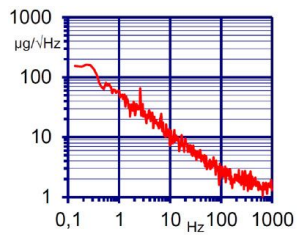
Typical Frequency Response



Temperature Coefficient



Noise Characteristics



Connection Accessories

- 009-UNF-UNF-1,5
- 010-UNF-BNC-5
- 016
- 117

Mounting Accessories

- 001
- 006
- 045
- 008
- 700

Delivery version with accessories kit KS77C10/01

- KS77C10
- 009-UNF-BNC-1,5
- 002
- 001

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

Manfred Weber

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