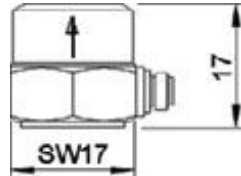


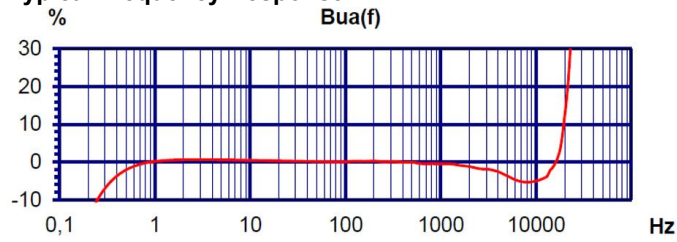
## Properties

- 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

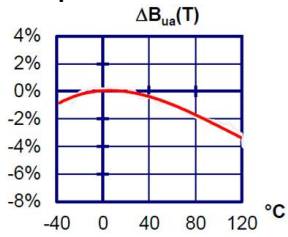


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	100	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	60	g
Destruction limit	6000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,13	Hz
Upper frequency limit (3 dB)	24000	Hz
Lower frequency limit (10 %)	0,3	Hz
Upper frequency limit (10 %)	19000	Hz
Lower frequency limit (5 %)	0,4	Hz
Upper frequency limit (5 %)	18000	Hz
Resonant frequency	>32	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	<300 (0,5 - 20000 Hz)	μg
Noise density 1 Hz	50	μg/√Hz
Noise density 10 Hz	10	μg/√Hz
Noise density 100 Hz	3	μg/√Hz
Noise density 1000 Hz	1	μg/√Hz
Operating temperature range	-40 - 120	°C
Temperature coefficient of voltage sensitivity	0,02 (<0 °C)	%/K
	±0,00 (0 - 30 °C)	%/K
	-0,02 (40 - 80 °C)	%/K
	-0,04 (>80 °C)	%/K
Temperature transient sensitivity	0,1	m/s²/K
Weight without cable	23	g
Case material	Stainless steel	
Connector direction	radial	
Connector	UNF10-32	
Mounting	M5	

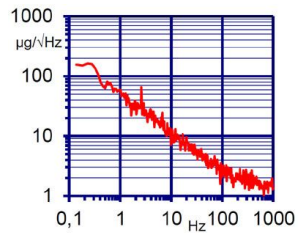
### Typical Frequency Response



### 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 KS77C100/01

- KS77C100
- 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

**Metra Mess- und Frequenztechnik in Radebeul e.K.**

Meissner Str. 58

D-01445 Radebeul

Tel. +49-(0)351-836 2191

Internet: [www.MMF.de](http://www.MMF.de)

Email: [Info@MMF.de](mailto:Info@MMF.de)

Fax: +49-(0)351-836 2940

10.22

