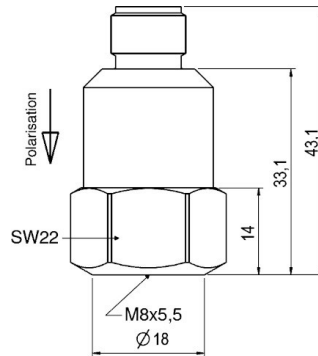


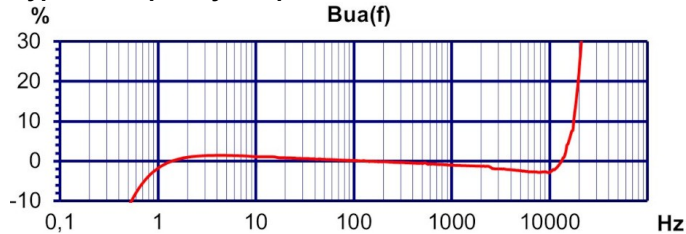
Properties

- Rugged industrial design with IP68
- Fully insulated case
- Double shielding for best EMI protection
- Includes electronic data sheet (TEDS; IEEE 1451.4; Template 25 w. DS2431)
- M12 connector for easy on-site installation, improved replacement for obsolete MIL-C-5015 connectors
- Extended frequency range (23kHz/3dB)
- Low temperature dependence
- Economic price

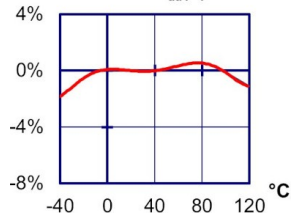


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	500	mV/g
Sensitivity tolerance	5	%
Measurement range, pos./neg.	12	g
Destruction limit	5000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,3	Hz
Upper frequency limit (3 dB)	20000	Hz
Lower frequency limit (10 %)	0,6	Hz
Upper frequency limit (10 %)	14000	Hz
Lower frequency limit (5 %)	0,8	Hz
Upper frequency limit (5 %)	10000	Hz
Resonant frequency	>32	kHz
Resonance amplitude	25	dB
Constant current supply	2 – 16	mA
Bias voltage at 4 mA	12,5 – 14	V
Output impedance	<80	Ω
Residual noise; wide band; RMS	160 (0,5 - 20000 Hz)	μg
Noise density 1 Hz	25	μg/√Hz
Noise density 10 Hz	7	μg/√Hz
Noise density 100 Hz	1	μg/√Hz
Noise density 1000 Hz	0,9	μg/√Hz
Operating temperature range	-40 - 120	°C
Temperature response of sensitivity	see graph	
	±1 (-10 - 80 °C)	%
	+2/-4 (-40 - 120 °C)	%
Temperature transient sensitivity	0,005	m/s²/K
Magnetic field sensitivity	0,5	m/s²/T
Weight without cable	61	g
Case material	Stainless steel	
Connector direction	axial	
Connector	Binder 713	
Mounting	M8	
Isolated mounting	yes (4 GΩ)	
IP code	IP68	

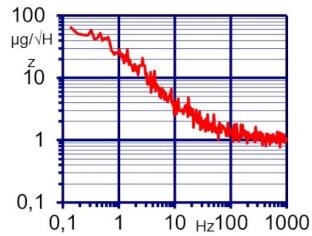
Typical Frequency Response $B_{ua}(f)$



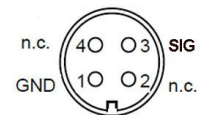
Temperature Response $\Delta B_{ua}(T)$



Noise Characteristics



Contact Arrangement



Connection Accessories

- 080G
- 080W
- 085-B713G-PIG-5
- 085-B713W-PIG-5
- 085-B713G-BNC-5
- 085-B713W-BNC-5

Mounting Accessories

- 043
- 229
- 208
- 230

Notice: This sensor is supplied with a list protocol showing its individually measured sensitivity.

Manfred Weber

Metra Mess- und Frequenztechnik in Radebeul e.K.

Meissner Str. 58a

01445 Radebeul

Tel. +49 (0)351 836 2191

Internet: www.MMF.de

Email: Info@MMF.de

Fax: +49 (0)351 836 2940

08.25

