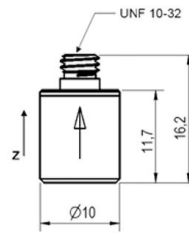


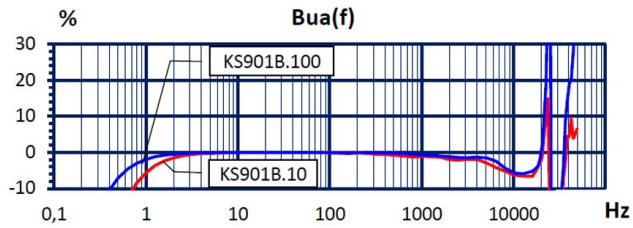
Properties

- OEM transducer for drill hole mounting
- Low-cost transducer for mass production
- Two sensitivity versions (10 and 100 mV/g)

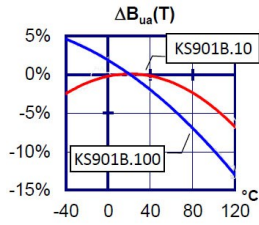


Piezo design	Shear design	
Output	IEPE	
Voltage sensitivity	10	mV/g
Sensitivity tolerance	20	%
Measurement range, pos./neg.	500	g
Destruction limit	10000	g
Transverse sensitivity	<5	%
Lower frequency limit (3 dB)	0,35	Hz
Upper frequency limit (3 dB)	28000	Hz
Lower frequency limit (10 %)	0,7	Hz
Upper frequency limit (10 %)	21000	Hz
Lower frequency limit (5 %)	1	Hz
Upper frequency limit (5 %)	10000	Hz
Resonant frequency	>70	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	<1000 (0,5 - 20000 Hz)	μg
Noise density 1 Hz	250	μg/√Hz
Noise density 10 Hz	70	μg/√Hz
Noise density 100 Hz	10	μg/√Hz
Noise density 1000 Hz	3	μg/√Hz
Operating temperature range	-30 - 120	°C
Temperature coefficient of voltage sensitivity	0,08 (<10 °C)	%/K
	0,05 (10 - 40 °C)	%/K
	0,02 (40 - 80 °C)	%/K
	-0,02 (>80 °C)	%/K
Temperature transient sensitivity	0,2	m/s ² /K
Magnetic field sensitivity	3,5	m/s ² /T
Weight without cable	5.2	g
Case material	Stainless steel	
Connector direction	axial	
Connector	UNF10-32	
Mounting	Adhesive in drill hole Ø10, depth >6 or clamping	

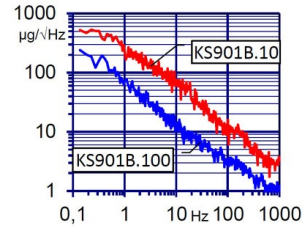
Typical Frequency Response



Temperature Response



Noise Characteristics



Connection Accessories

- 009-UNF-UNF-1,5: Low-noise cable; 1,5 m; UNF 10-32 to UNF 10-32; 120 $^{\circ}C$; $\varnothing 2,1$
- 009-UNF-BNC-1,5: Low-noise cable; 1,5 m; UNF 10-32 to BNC; 120 $^{\circ}C$; $\varnothing 2,1$
- 010-UNF-BNC-5: Low-noise cable; 5 m; UNF 10-32 to BNC; 120 $^{\circ}C$; $\varnothing 2,1$
- 010-UNF-BNC-10: Low-noise cable; 10 m; UNF 10-32 to BNC; 120 $^{\circ}C$; $\varnothing 2,1$
- 016: Coupler UNF 10-32 (female) to UNF 10-32 (female)
- 017: Plug adapter UNF10-32 (female) to BNC (male)
- 117: Plug adapter UNF10-32 (female) to BNC (female)
- 025: Plug adapter UNF10-32 (female) to TNC (male)

Mounting Accessories

- 002: Bees wax for temporary sensor attachment

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