

AE 100.942.150 Accelerometer

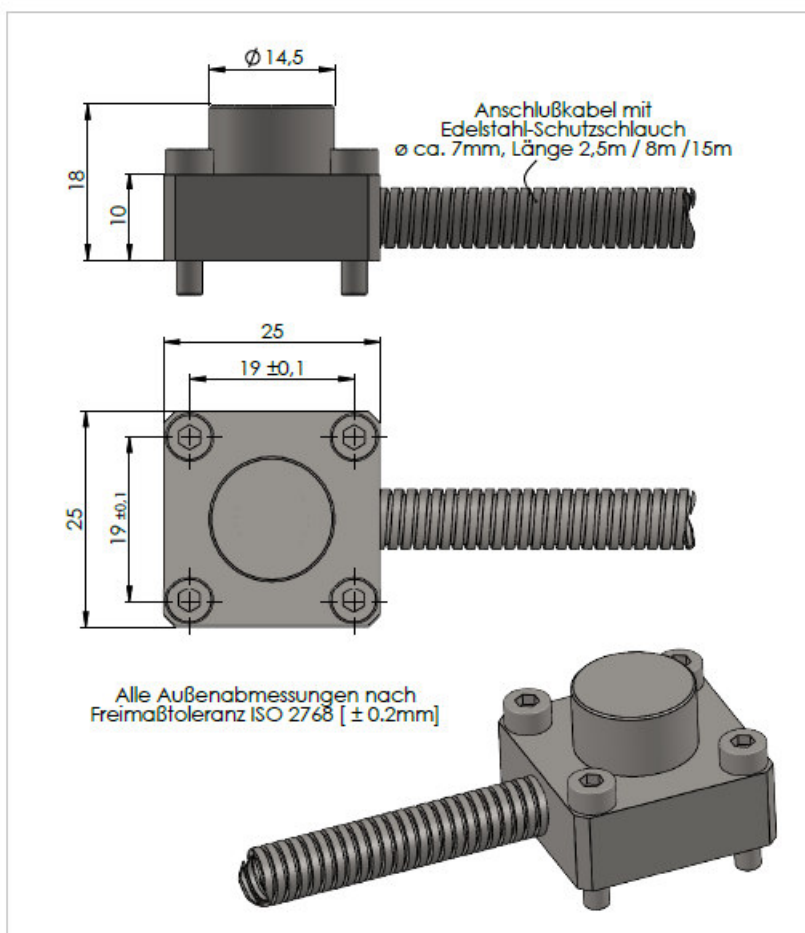


- accelerometer for vibration and roller bearing condition measurements
- heavy duty design for use in harsh environments, such as in contact with cooling liquid
- integral cable for protection against moisture
- FEP (Tefzel) cable isolation for high temperature use
- stainless steel housing and armoured cable

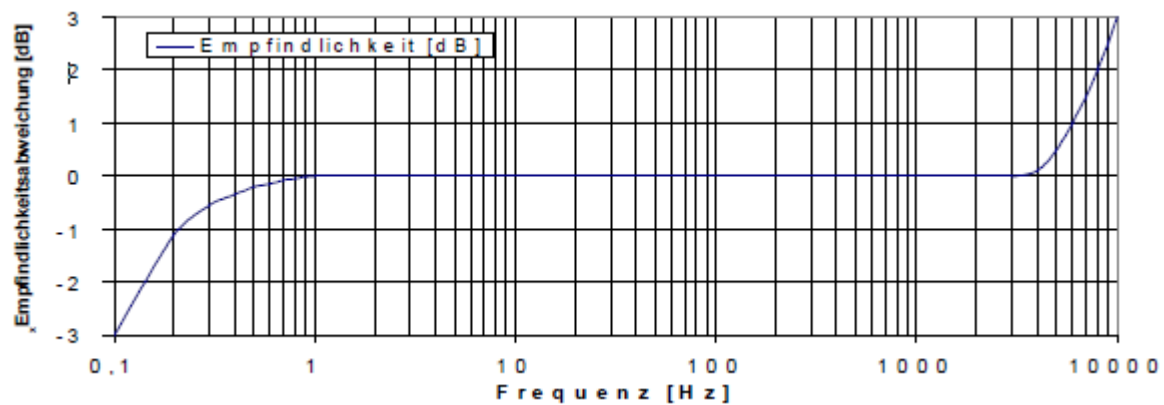
Specifications:

Sensor type	piezoelectric accelerometer (PZT/Shear)
Sensitivity	100 mV/g +/-10%
Resolution	0,001 g
Acceleration Range	max.50 g
Shock Limit	max 5000 g
Frequency Range	0,5 - 10.000 Hz +/-3 dB (5.000 - 50.000 Hz for spike-energy-measurement)
Resonant Frequency, Mounted	> 25 kHz
Power Requirements	constant current 2 -10 mA; +18 to 28 V DC
Temperature Range	-40...+120°C
Housing Material	stainless steel 1.4305 / 1.4301
Dimensions	footprint 25x25 mm total height approx. 18 mm
Mounting Holes	for screw M3, distance: 19x19 mm
Weight	approx. 40 Gramms (excluding cable)
Shipping Weight	approx. 0.8 kg (with 15 m cable)
Cable	shielded 1 wire, PTFE (Tefzel) jacketed, stainless steel armour. cable diameter: approx. 2 mm, armour diameter: approx. 7 mm
Standard cable lengths / Order No.	approx 15 meters AE100.942.150

Dimensions:



Frequency Response (typical)



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