

ATI 100.011.020 Sensor for Acceleration and Temperature



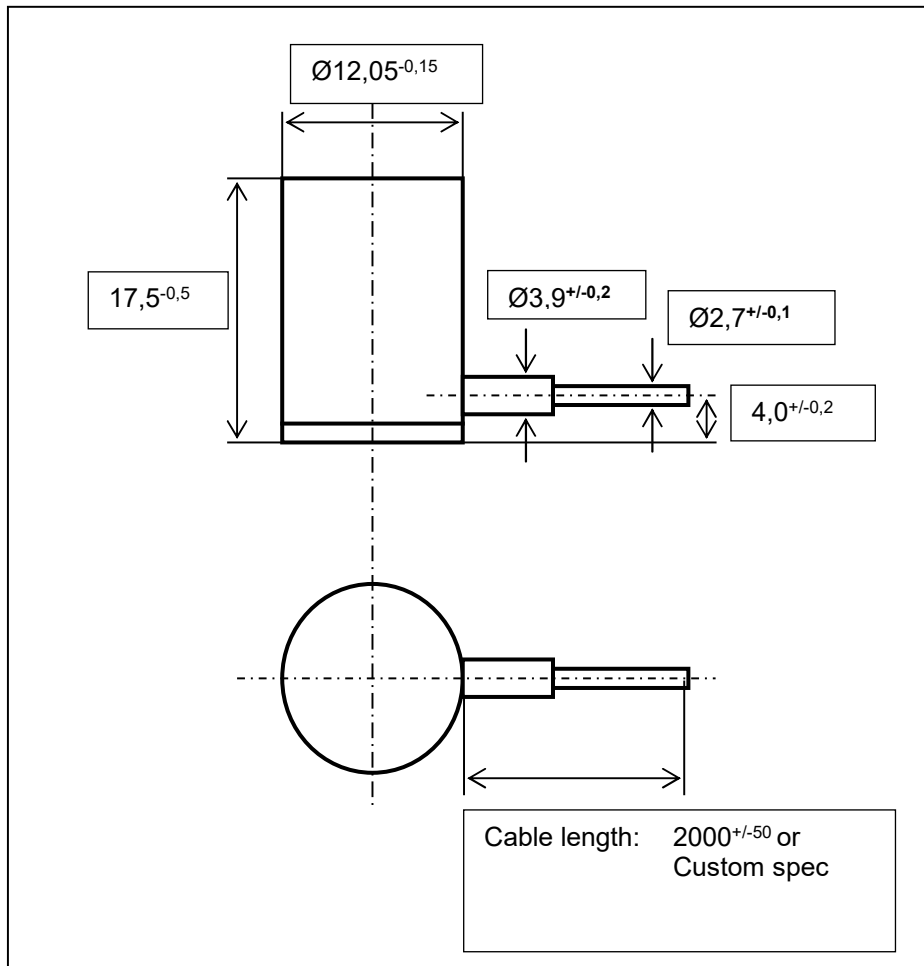
- Accelerometer for vibration and roller bearing condition measurements
- integrated temperature sensing element
- Heavy duty design for use in harsh environments, such as in contact with cooling liquid
- Integral cable for protection against moisture
- PUR cable isolation
- Stainless steel housing and cable armour

Specifications:

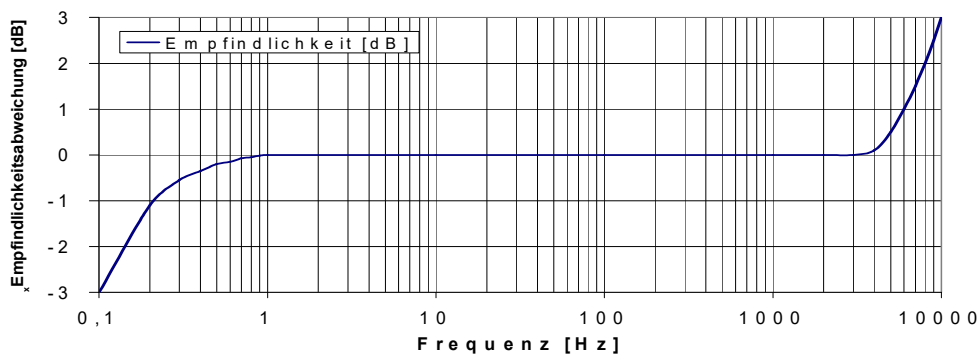
Sensor type	piezoelectric accelerometer (PZT/Shear)
Sensitivity	100 mV/g +/-10%
Resolution	0,001 g
Acceleration range	max.50 g
Shock Limit	max. 5000 g
Frequency range	0,5 - 10.000 Hz +/-3 dB (5.000 - 50.000 Hz für for Spike-Energy-Measurement)
Resonant Frequency, mounted	> 25 kHz
Power Requirements	Constant current 2 -10 mA; +18 to 28 V DC
Temperature sensor element	KTY84-130
Temperature Range	-40...+120°C
Housing Material	Stainless Steel
Dimensions	Ø approx. 12,05 mm approx 17,5 mm high
Fixing	Clamp or glue
Weight	Approx. 14 gramms (without cable)
Shipping weight	Approx. 50 g (with 1,5 m Kabel)
Cable	Shielded 2-wire, PUR jacketed, wire size 0,09 mm ² cable outer diameter approx. 2,7 mm cable end: open Connections: white: signal acceleration brown: signal temperature shield: common ground shield isolated from housing
Standard cable length / Order No.	Approx. 2 meters: AI100.011.020 Special versions on request

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Dimensions:



Frequency Response (typical):



Connections: white: signal acceleration; brown: signal temperature; shield: common ground

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