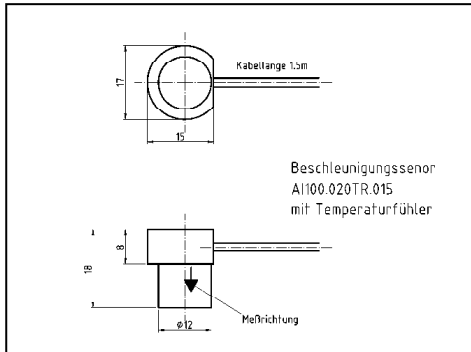


## AI100.020TR-PT100 Accelerometer



- 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
- 4- wire cable with separate shield
- Stainless steel housing

### 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	PT100, 1/3 DIN B, 2 wire
Temperature Range	-40...+80°C
Housing Material	Stainless Steel
Dimensions	Ø approx. 12 / 17mm Hight approx. 18 mm
Fixing	Clamp or glue
Weight	ca. 20 Gramm (ohne Kabel)
Shipping weight	ca. 50 g (mit 1,5 m Kabel)
Cable	Shielded 4-wire, wire size 0,09 mm <sup>2</sup> cable outer diameter approx. 3,8 mm cable end: open Connections: white signal acceleration brown ground acceleration yellow signal temperature green ground temperature shield isolated from housing
Standard cable length / Order No.	Approx. 1.5 Meters: AI100.020TR.015PT100 Special versions on request

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