

## AI 100.220 Accelerometer for 2 Axes



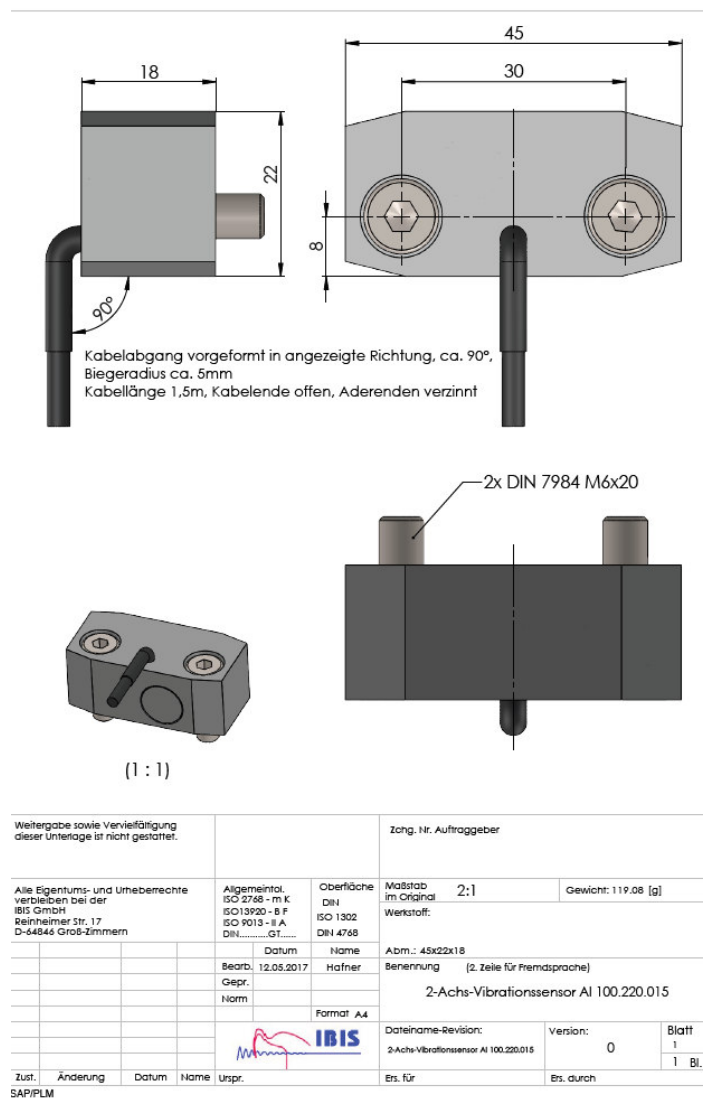
- Accelerometer with 2 sensitive axes for vibration and roller bearing condition measurements
- Heavy duty design for use in harsh environments, such as in contact with cooling liquid
- Integral cable for protection against moisture
- PUR cable isolation
- Stainless Steel housing

### Specifications:

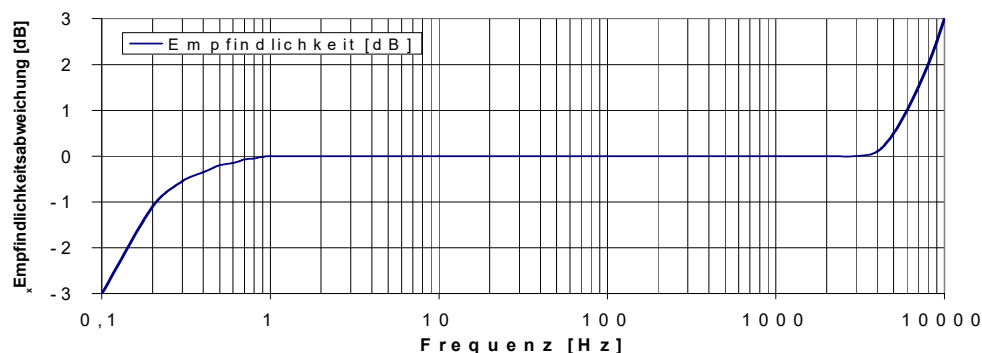
Sensor type	piezoelectric accelerometer (PZT/Shear)
Sensitivity	100 mV/g +/-10%
Resolution	0,001 g
Acceleration range	max.50 g
Shock Limit	max 5000 g
Frequency range	0,5 - 10.000 Hz +/-3 dB (5.000 - 50.000 Hz for Bearing Condition)
Resonant Frequency, mounted	> 25 kHz
Power Requirements	Constant current 2 -10 mA; +18 to 28 V DC
Temperature Range	-40...+120°C cable: -10...+80°C
Housing Material	stainless steel
Dimensions	according to draft
Mounting	2 screws M6x20
Weight	approx. 60 gramms (excluding cable)
Shipping weight	approx. 120 gramms (with 1,5 m cable)
Cable	Shielded 4 wire, PUR jacketed, outer diameter: approx. 2.9 mm Connection: white – signal Z-axis brown – ground Z-axis green – signal X-axis yellow – ground X-axis
Standard cable length.	Approx. 1,5 meter: AI100.220.015 other lengths on request

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Dimensions (same dimensions for 2 axis and 1 axis versions):



Frequency Response (typical):



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