

AE 100.303 Accelerometer for 3 axis

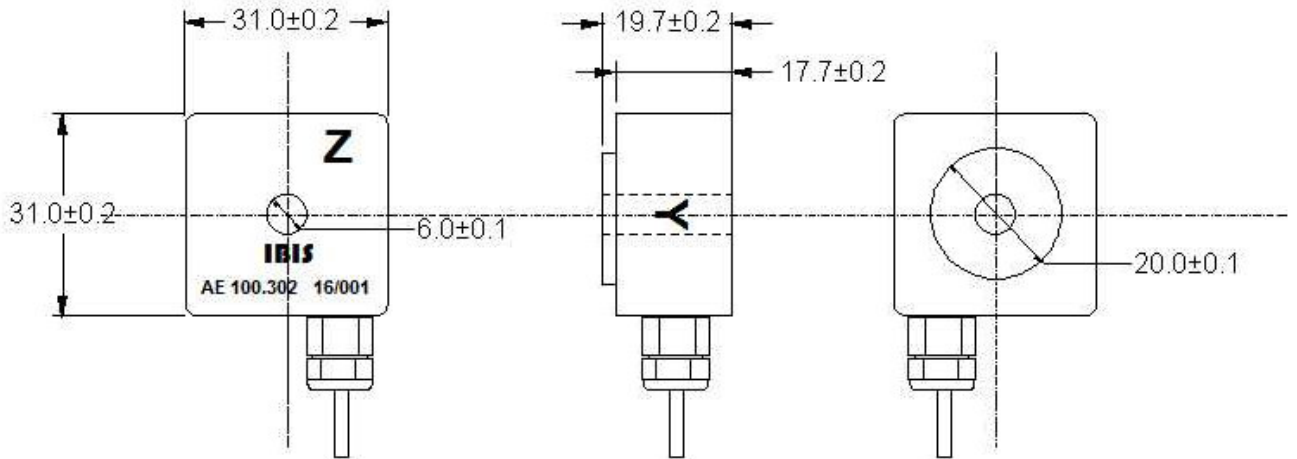


- accelerometer for vibration and bearing condition measurements in 3 axis
- Heavy-Duty-Version for harsh environment
- fix installed robust cable, PUR-coated
- 4-wire-cable with separate shield
- anodized aluminium housing with laser marking

Technical Specifications:

Sensor Type	piezoelectric accelerometer (PZT/Shear)
Sensitivity	100 mV/g +/-10%
Resolution	0,001 g
Amplitude Range	max.50 g
Shock Resistance	max 5000 g
Frequency Response	0,5 - 10.000 Hz +/-3 dB (5.000 - 50.000 Hz for spike-energy-measurement)
Resonance Frequency	> 25 kHz
Power Supply	constant current 2 -10 mA; +18 to 28 V DC
Temperature Range	-40...+120°C (Cable: -40...+70°C)
Housing	anodized aluminium
Dimensions	according to attached drawing
Mounting	with 1 screw M5 or M6
Weight	ca. 40 gramm (without cable)
Shipping Weight	ca. 100 g (with 2,5m cable)
Connection Cable	4-wire, each 0,14 mm ² , shielded, PUR coated, cable diameter ca. 4,8 mm
Ord.-No. / Cable Lengths / Cable End	AE100.303.025: ca. 2,5m, open cable end AE100.303.050: ca. 5m, open cable end AE100.303.100: ca. 10m, open cable end AE100.303.025XLR: 2,5m, cable end: connector XLR/5 AE100.303.050XLR: 5,0m, cable end: connector XLR/5 AE100.303.100XLR: 10m, cable end: connector XLR/5 (other cable lengths / connectors on request)

Dimensions:



Wiring Diagram:

X-Axis: green
 Y-Axis: yellow
 Z-Axis: white
 Ground: brown
 Shield: isolated from housing

Option: with connector XLR/5



Connector Wiring:

Pin 1:	green	Signal X
Pin 2:	yellow	Signal Y
Pin 3:	white	Signal Z
Pin 4:	brown	Ground
Pin 5:		Shield

**Mounting Area
 With Stainless-Steel Washer
 (bottom view)**



recommended tightening torque
 for screw M6, 8.8: 10 Nm

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