

AE 100.303.025 Accelerometer for 3 Axes

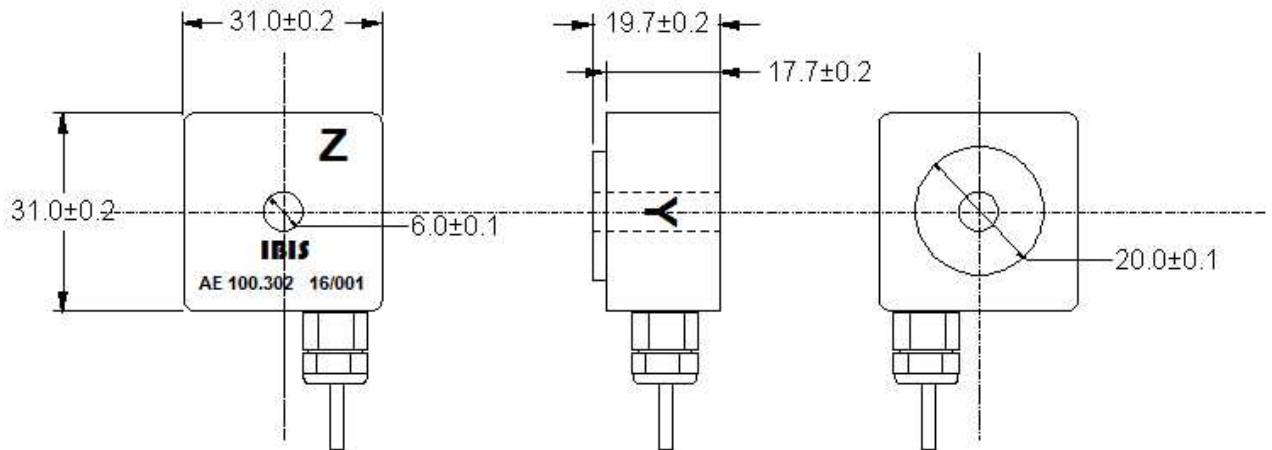


- Accelerometer for vibration and roller bearing condition measurements in 3 axes
- Heavy duty design for use in harsh environments, such as in contact with cooling liquid
- Integral cable for protection against moisture
- PUR cable isolation
- 4-wire cable with separate shield
- Aluminium-body

Specification:

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 (IEPE)	Constant current 2 -10 mA; +18 to 28 V DC for each axis
Temperature Range	-40...+120°C
Housing Material	Aluminium
Dimensions	See drawing
Mounting	1 Screw M6
Weight	approx. 40 gramms (without cable)
Shipping weight	approx. 100 gramms (with 2.5 m cable)
Cable	4-wire, shielded, PUR isolation, wire dimension 0,14 mm ² outer diameter approx. 4,5 mm
Standard-Cable Length / Order No.	AE100.303.025 approx 2,5 meters, open End AE100.303.050 approx 5 meters, open End AE100.303.025XLR approx 2,5 meters, XLR5 M AE100.303.050XLR approx 5 meters, XLR5 M

Dimensions:



Cable colour code:

	Wire colour	Pin on XLR connector
X-Axes:	white	1
Y-Axes:	yellow	2
Z-Axes:	green	3
GND	brown	4
Shield:	isolated from sensor case	5 (or connector case; version AVL)

Mounting with washer on lower side (bottom view):



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