

## AR 100.928.010L Accelerometer



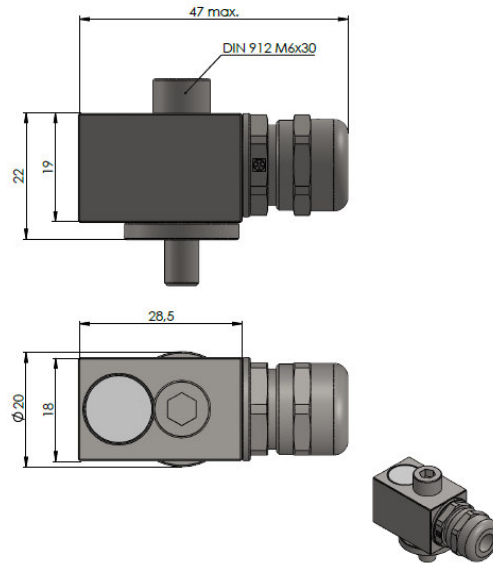
- accelerometer for vibration and roller bearing condition measurements in 1 axis
- heavy duty design for use in harsh environments, such as in contact with cooling liquid
- integral cable for protection against moisture
- PUR cable isolation
- 2-wire cable with separate shield
- stainless steel-body

### 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 (cable: -40...+70°C)
Housing Material	stainless steel
Dimensions	see drawing
Mounting	1 screw M6
Weight	approx. 80 gramms (without cable)
Shipping Weight	approx. 200 gramms (with 1 m cable)
Cable	2-wire, shielded, PUR isolation, wire dimension 0,25 mm <sup>2</sup> outer diameter approx. 4,5 mm
Standard-Cable Length / Order No.	AR100.928.010.L approx 1 meter, cable end connector Lemo 1T304 (male)

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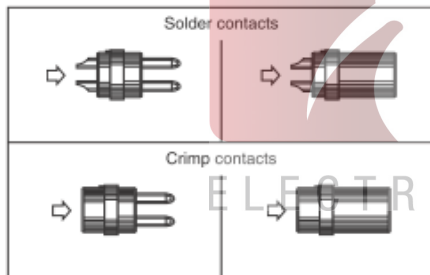
Dimensions:



## Pin Assignment:

Lemo Type 1T304:

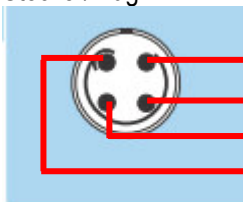
Stecker/Plug Buchse/Socket



Ansicht von Kabelseite!

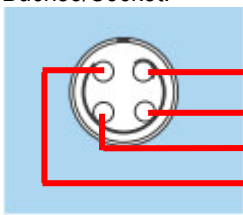
View from cable side

Stecker/Plug:



- Nicht belegt / not connected
- Nicht belegt / not connected
- Signal Z (weiss / white)
- Masse / Ground (braun / brown)
- Schirm auf Steckergehäuse
- Shield connected to plug housing

Buchse/Socket:



- Masse / Ground (braun / brown)
- Signal Z (weiss / white)
- Nicht belegt / not connected
- Nicht belegt / not connected
- Schirm auf Steckergehäuse
- Shield connected to plug housing

### Scope of Delivery:

- sensor with mounted connector
- mounting screw M6
- stainless steel washer
- spec sheet
- calibration protocol

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