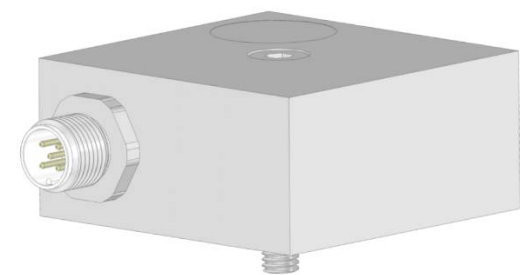


Heavy-duty side-entry constant current accelerometer with 3 isolated AC outputs (X, Y and Z axes) and temperature. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Internal electronics are isolated to minimise noise with increased bias voltage stability. Sealed to IP67 and includes 5-pin M12 connector and ¼"-28UNF, M6 or M8 mounting bolt. Ideal for any application where vibration in all three spatial axes and temperature needs to be measured.

MTN/2330T



Applications

- Data collection
- General industry
- Pumps, fans, etc
- Aerospace
- Automotive
- Research and development

Technical

Standard sensitivity 100mV/g $\pm 10\%$ nominal @ 80Hz

Temperature sensitivity 10mV/°C (range 2°C to 100°C)

Frequency response 2Hz to 10kHz $\pm 5\%$ (-3 dB @ 0.8Hz)

Isolation Base isolated

Transverse sensitivity <5%

Acceleration range $\pm 80g$

Operating temperature -55°C to 140°C

Bias voltage 12VDC (nominal)

Case material Stainless steel

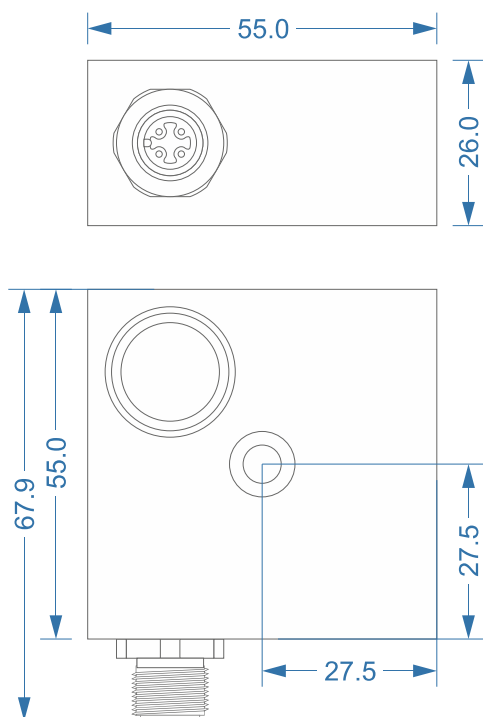
Mounting
 MTN/2330T ¼"-28 UNF male
 MTN/2330TM6 M6 x 1.0 male
 MTN/2330TM8 M8 x 1.25 male

Connector 5 pin M12

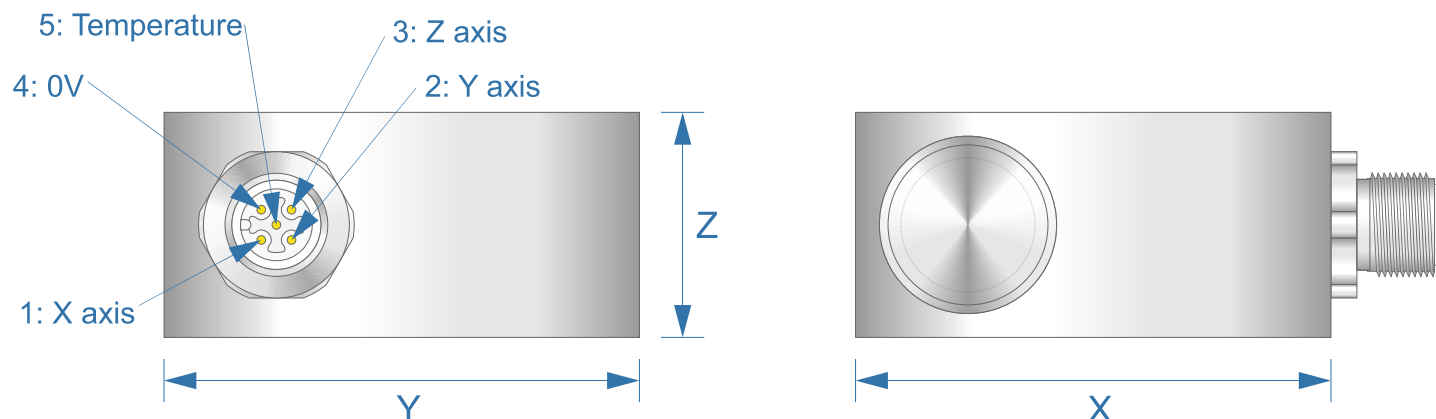
Weight TBA

Sealing IP67

Dimensions

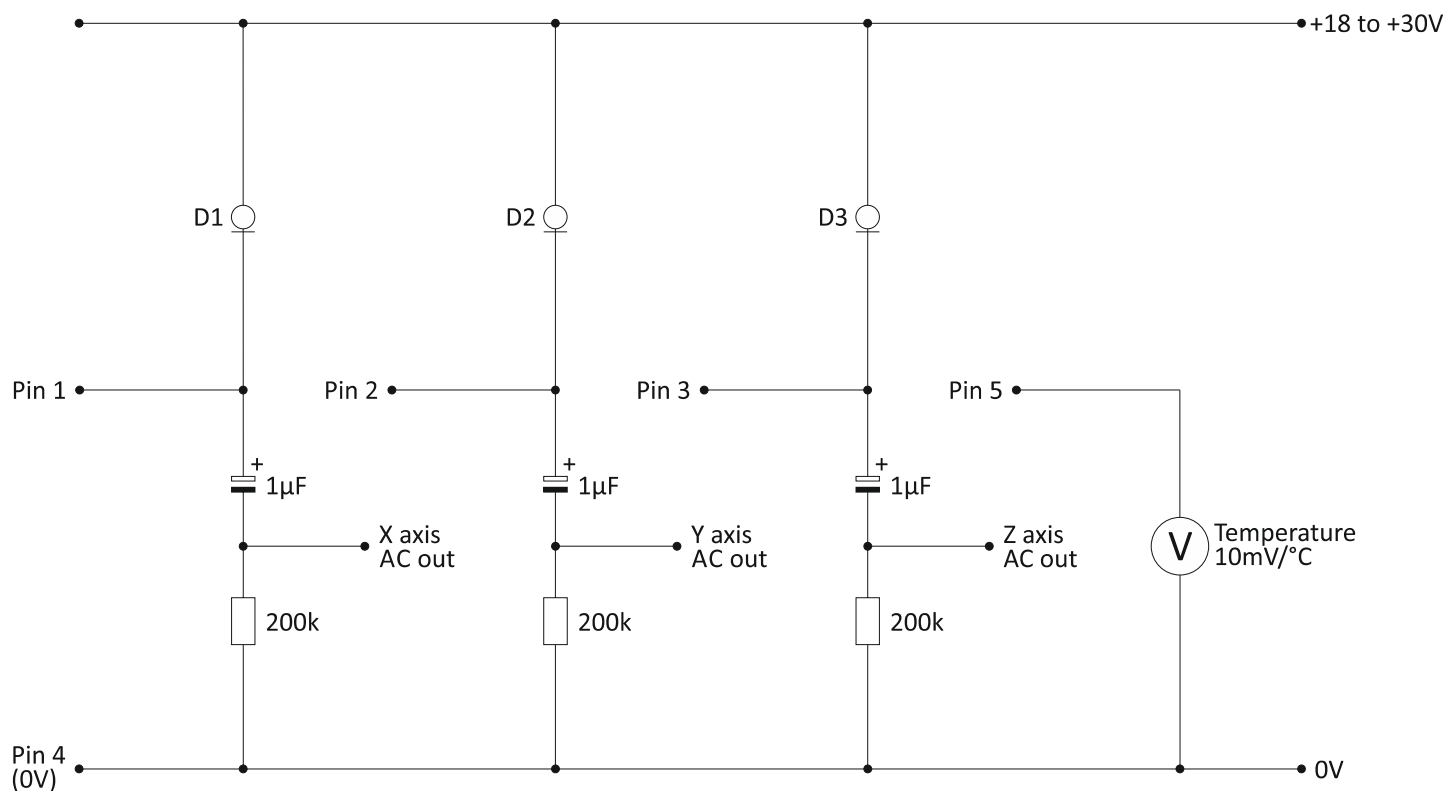


Pin connections



System connection

Constant current source circuit and temperature



D1;D2;D3 Constant current diode (0.5-8.0mA)