

Heavy-duty side-entry constant current accelerometer with 3 isolated AC outputs (X, Y and Z axes). 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 4-pin M12 connector and ¼"-28UNF, M6 or M8 mounting bolt. Ideal for any application where vibration in all three spatial axes needs to be measured.

MTN/2330

Applications

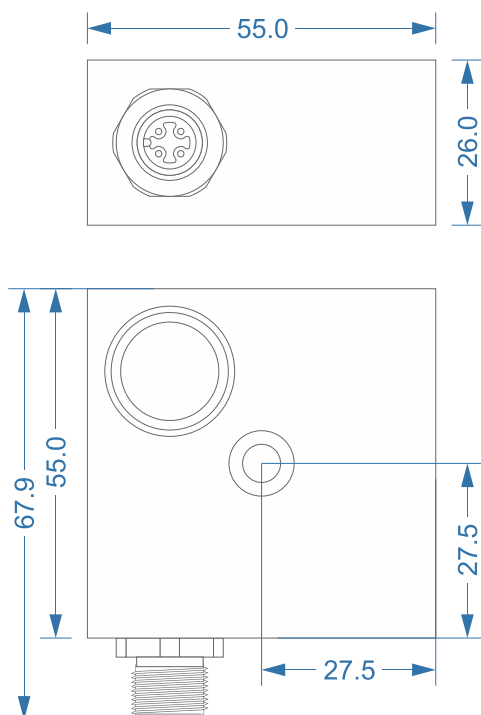
- Data collection
- General industry
- Pumps, fans, etc
- Aerospace
- Automotive
- Research and development

Technical

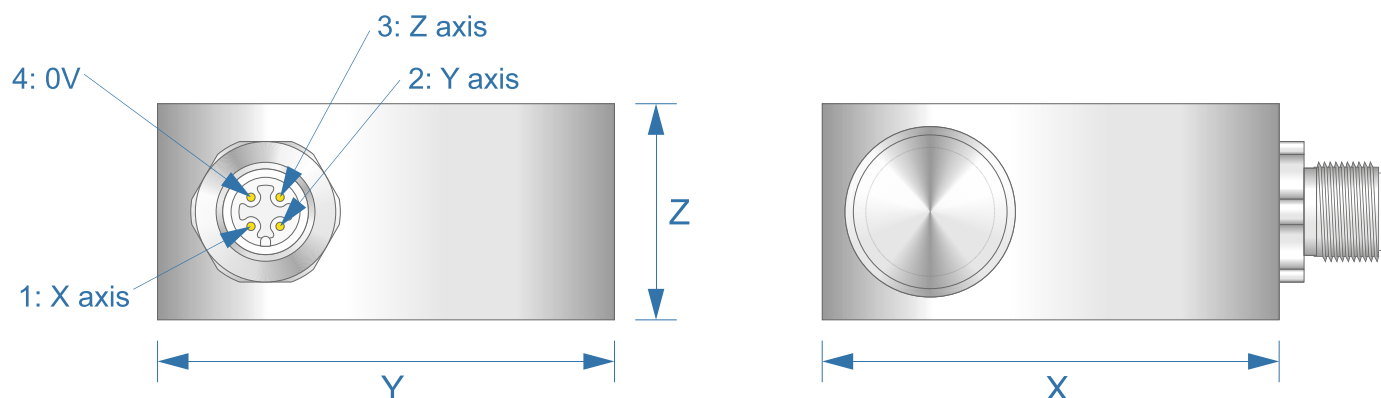
Standard sensitivity	100mV/g $\pm 10\%$ nominal @ 80Hz
Frequency response	2Hz to 10kHz $\pm 5\%$ (-3dB @ 0.8Hz)
Isolation	Base isolated Faraday cage x3
Transverse sensitivity	<5%
Acceleration range	$\pm 80g$
Operating temperature	-55°C to 140°C
Bias voltage	12VDC (nominal)
Case material	Stainless steel 304
Mounting	MTN/2330..... ¼-28 UNF male MTN/2330M6 M6 x 1.0 male MTN/2330M8 M8 x 1.25 male
Connector	4 pin M12
Weight	457g (nominal)
Sealing	IP67



Dimensions

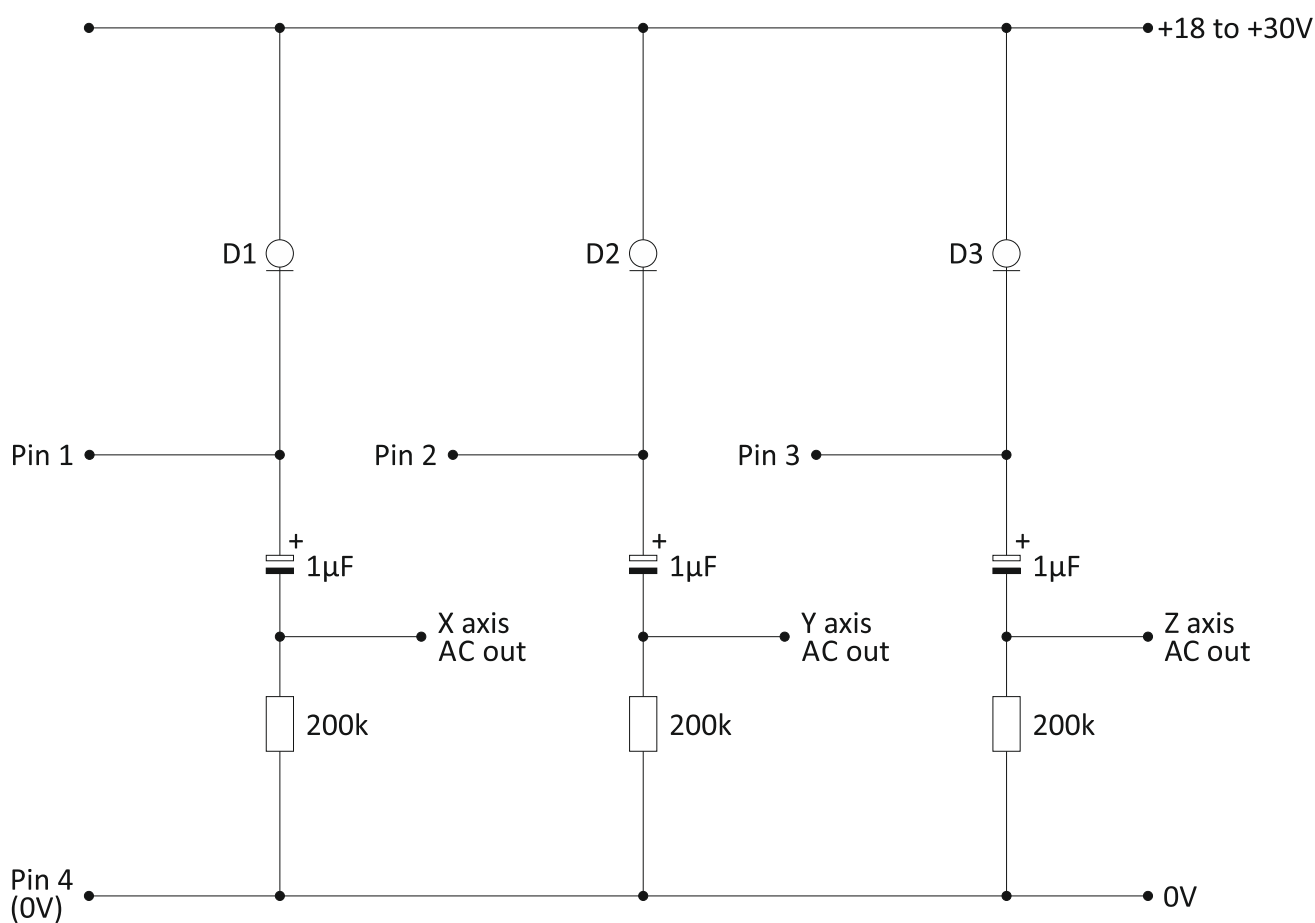


Pin connections



System connection

Constant current source circuit and temperature



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