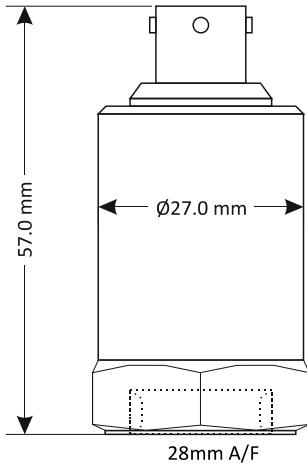


General purpose, top-entry accelerometer with DC output proportional to acceleration. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Sealed to IP67 with industry standard two wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other industrial controllers. Includes integral 3-pin 62GB connector and is available with a wide range of mountings.

MTN/1187



Dimensions



Pin A — +ve
 Pin B — not connected
 Pin C — 0V

Applications

- Centrifuges
- Building services
- Pumps and fans

Technical

Output current 4-20mA DC proportional to rms acceleration (g rms)

Supply voltage 12-32V DC (4-20mA)

Frequency response 2Hz to 1kHz $\pm 10\%$

Mounted base resonance 5kHz (nominal)

Isolation Base isolated

Dynamic range 50g peak

Transverse sensitivity Less than 5%

Operating temperature -25 to 90°C

Temperature sensitivity 0.08%/°C

Case material Stainless steel

Mating connector MTN/MH008

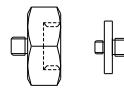
Mounting torque 8Nm

Weight 150g (nominal)

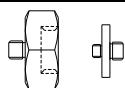
Sealing IP67

Studs and grub screws


Part #	From	To
MS036	1/4"-28 UNF Male	M6 Male
MS039	1/4"-28 UNF Male	10-32 UNF Male
MS067	1/4"-28 UNF Male	M8 Male
MS068	1/4"-28 UNF Male	1/4"-28 UNF Male
MS124	1/4"-28 UNF Male	M10 Male
MS132	1/4"-28 UNF Male	M12 Male

Mounting adapters


Part #	From	To
MS005	Q/F Male	1/4"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	1/4"-28 UNF Male	Q/F Female
MS013	1/4"-28 UNF Male	Glue base
MS033	1/4"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	1/4"-28 UNF Male	10-32 UNF Male
MS079	1/4"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

Quick fit adapters


Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	1/4"-28 UNF Male
MS006	Q/F Male	M6 Male

Isolation

Part #	From	To
MS034	1/4"-28 UNF Male	1/4"-28 UNF Female
MS093	Q/F Male	M8 Male

Options

- Filters
- Mounting threads
- Mating connectors and cable assemblies
- High temperatures
- Other ranges (see below)

Part #	Mounting	xx = Optional acceleration (g rms)
MTN/1187-xx	1/4"UNF Female	0-1 0-2 0-5 0-10 0-20
MTN/1187Q-xx	Q/F Female	

System connection
