

Dual purpose, top-entry accelerometer with DC and temperature outputs. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Internal electronics are enclosed in a faraday cage and isolated to minimise noise. Sealed to IP67 with loop powered, 4-20mA output for direct connection to PLC and other industrial controllers. Includes 4-pin M12 connector and is available with a wide range of mountings.

MTN/2287T-4P



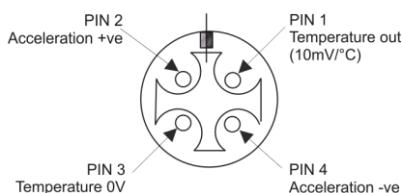
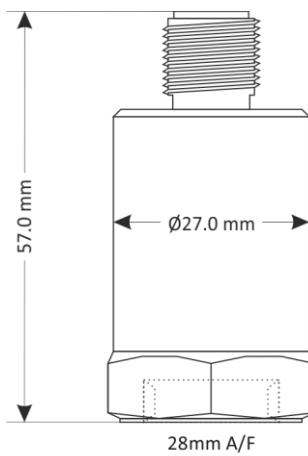
Applications

- Centrifuges
- Building services
- Pumps and fans

Technical

Output current	4-20mA DC proportional to rms acceleration (g rms)
Temperature output	10mV/°C (range 0-90°C)
Supply voltage	12-32V DC (4-20mA)
Frequency response	2Hz to 1kHz ±10%
Mounted base resonance	5kHz (nominal)
Isolation	Electronics in Faraday cage, isolated from body
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/MH160
Mounting torque	8Nm
Weight	140g (nominal)
Sealing	IP67

Dimensions

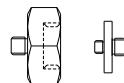


Studs and grub screws



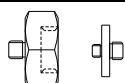
Part #	From	To
MS036	1/4"-28 UNF Male	M6 Male
MS039	1/4"-28 UNF Male	10-32 UNF Male
MS067	1/4"-28 UNF Male	M8 Male
MS068	1/4"-28 UNF Male	1/4"-28 UNF Male
MS124	1/4"-28 UNF Male	M10 Male
MS132	1/4"-28 UNF Male	M12 Male

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/2287T-4P-xx	1/4"UNF Female	0-1 0-2 0-5 0-10 0-20
MTN/2287TQ-4Pxx	Q/F Female	

System connection

