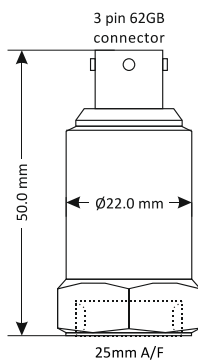


Dual purpose, top-entry, constant current accelerometer with isolated AC(g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes 62GB 3-pin connector. Available with a wide range of mountings.

MTN/1100T



Dimensions



Pin A — +ve acceleration
 Pin B — 0V
 Pin C — +ve temperature

Applications

- Data collection
- Heavy industry
- Paper machinery
- Pumps, fans, etc

Technical

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

Temperature output sensitivity 10mV/ $^{\circ}$ C (range 2 $^{\circ}$ to 100 $^{\circ}$ C)

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

Mounted base resonance 18kHz (nominal)

Isolation Base isolated

Dynamic range $\pm 80g$

Transverse sensitivity Less than 5%

Electrical noise 0.3mg max

Current range 0.5 to 8mA

Operating temperature -55 to 140 $^{\circ}$ C

Bias voltage 12V DC (nominal)

Case material Stainless steel

Mating connector MTN/MH008

Maximum cable length 1000m

Mounting torque 8Nm

Weight 110g (nominal)

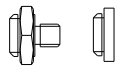
Sealing IP67

Studs and grub screws



Part #	From	To
MS036	¼"-28 UNF Male	M6 Male
MS039	¼"-28 UNF Male	10-32 UNF Male
MS067	¼"-28 UNF Male	M8 Male
MS068	¼"-28 UNF Male	¼"-28 UNF Male
MS124	¼"-28 UNF Male	M10 Male
MS132	¼"-28 UNF Male	M12 Male

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	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

Options

- Filters
- Various connector assemblies
- Other sensitivities (see below)

Part #	Mounting	xx = Optional Sensitivity (mV/g)
MTN/1100T-xx	¼"-28 UNF Female	10
		30
		50
MTN/1100TQ-xx	Q/F Female	500
		1000

Mounting adapters



Part #	From	To
MS005	Q/F Male	¼"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	¼"-28 UNF Male	Q/F Female
MS013	¼"-28 UNF Male	Glue base
MS033	¼"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	¼"-28 UNF Male	10-32 UNF Male
MS079	¼"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

Isolation

Part #	From	To
MS034	¼"-28 UNF Male	¼"-28 UNF Female
MS093	Q/F Male	M8 Male

System connection

