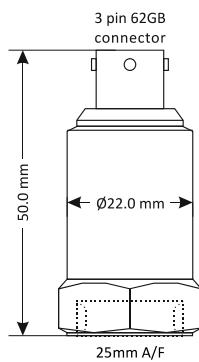


Dual purpose, top-entry, constant current accelerometer with isolated AC (g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes 62GB 3-pin connector. Available with a wide range of mountings.

## 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 ±10% nominal @ 80Hz

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

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

Mounted base resonance 18kHz (nominal)

Isolation Base isolated

Dynamic range ±80g

Transverse sensitivity Less than 5%

Electrical noise 0.3mg max

Current range 0.5 to 8mA

Operating temperature -55 to 140°C

Bias voltage 12V DC (nominal)

Case material Stainless steel

Mating connector MTN/MH008

Maximum cable length 100m

Mounting torque 8Nm

Weight 110g (nominal)

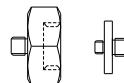
Sealing IP67

## Studs and grub screws



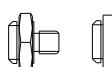
Part #	From	To
MS036	1/4"-28 UNF Male	M6 Male
MS039	1/4"-28 UNF Male	10-32 UNF Male
MS067	1/4"-28 UNF Male	M8 Male
MS068	1/4"-28 UNF Male	1/4"-28 UNF Male
MS124	1/4"-28 UNF Male	M10 Male
MS132	1/4"-28 UNF Male	M12 Male

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

Part #	Mounting	xx = Optional Sensitivity (mV/g)
MTN/1100T-xx	1/4"-28 UNF Female	10 30 50 500 1000
MTN/1100TQ-xx	Q/F Female	

## System connection

