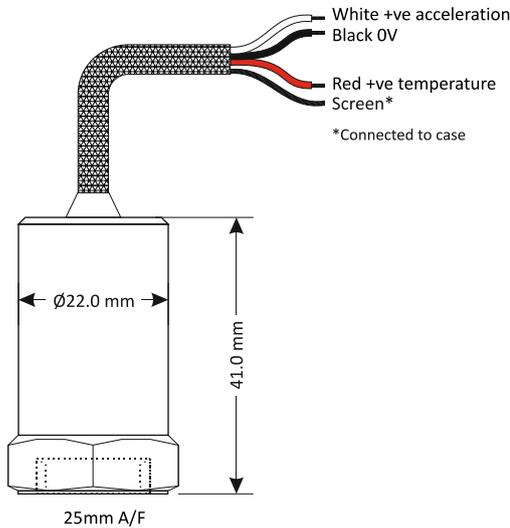


Dual purpose, top-entry, constant current accelerometer with isolated AC(g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes stainless steel overbraided ETFE cable. Available with a wide range of mountings.

## MTN/1100TC



## Dimensions



## Applications

- Data collection
- General 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

Cable Integral stainless steel overbraided ETFE

Standard cable length 5m

Maximum cable length 100m

Mounting torque 8Nm

Weight 110g (nominal)

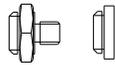
Sealing IP67

## 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



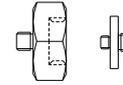
Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

## Options

- Cable length
- Various mounts
- Connector assemblies
- Other sensitivities (see below)

Part #	Mounting	xx = Optional Sensitivity (mV/g)
MTN/1100TC-xx	¼"-28 UNF Female	10
		30
		50
MTN/1100TCQ-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

