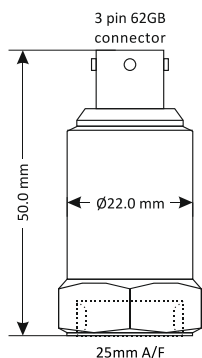


Dual purpose, top-entry, constant current accelerometer with isolated AC (g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes 62GB 3-pin connector. Available with a wide range of mountings.

## 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
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Temperature output sensitivity	10mV/°C (range 2° to 100°C)
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Frequency response	2Hz to 10kHz $\pm 5\%$ (-3dB @ 0.8Hz)
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Mounted base resonance	18kHz (nominal)
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Isolation	Base isolated
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Dynamic range	$\pm 80g$
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Transverse sensitivity	Less than 5%
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Electrical noise	0.3mg max
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Current range	0.5 to 8mA
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Operating temperature	-55 to 140°C
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Bias voltage	12V DC (nominal)
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Case material	Stainless steel
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Mating connector	MTN/MH008
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Maximum cable length	100m
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Mounting torque	8Nm
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Weight	110g (nominal)
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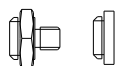
Sealing	IP67
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## Studs and grub screws



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



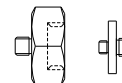
Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

## 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

