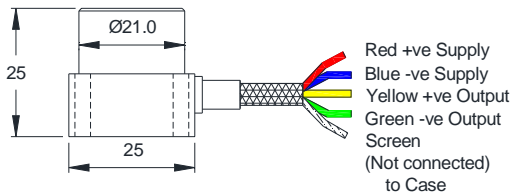


The MTN/7000 is a special purpose, side entry, low frequency accelerometer with output response starting at DC 0Hz. Made from compact stainless steel throughout for continuous vibration monitoring. Ideal for laboratory and light industrial environments. Sealed to IP65 and includes integral stainless steel overbraided cable. Alternative mountings available, four point, stud and Quickfit.

MTN/7000



Dimensions



Applications

- Data collector
- Slow rotating machines
- Test rigs

Technical

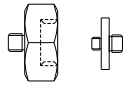
Sensitivity	50mV/g or 100mV/g (others on request)
Supply voltage range	12-24V DC
Frequency response	Depending on Dynamic range ($\pm 5\%$) $\pm 1g$ DC to 250 Hz, $\pm 10g$ DC to 500Hz $\pm 2g$ DC to 250 Hz, $\pm 20g$ DC to 700Hz $\pm 5g$ DC to 300 Hz, $\pm 50g$ DC to 1Kz
Resonant frequency	$\pm 1g$ - 700 Hz, $\pm 10g$ - 850 Hz $\pm 2g$ - 700 Hz, $\pm 20g$ - 1200 Hz $\pm 5g$ - 800 Hz, $\pm 50g$ - 1800 Hz
Isolation	Base isolated
Operating temperature	-20°C to + 90°C
Storage Temp	-40°C to 125°C
Output Impedance	50 Ohms
Acceleration Limits	x20 any direction
Electrical Noise	10 μ g
Maximum cable length	100m
Weight	40g (nominal)
Case material	Stainless steel
Cable	Stainless steel over braided PVC
Sealing	IP65

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

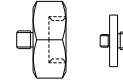


Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

Optional sensors

ORDER CODE PART No	MOUNTING	REQUIRES
MTN/7000	SMALL FOUR POINT	4 x M3 BOLTS
MTN/7010	LARGE FOUR POINT	SEE ABOVE FOR BASE AND ADAPTERS
MTN/7020	¼" UNF SINGLE POINT	
MTN/7020F	10-32UNF SINGLE POINT	
MTN/7020Q	QUICK FIT SINGLE POINT	

Mounting adapters

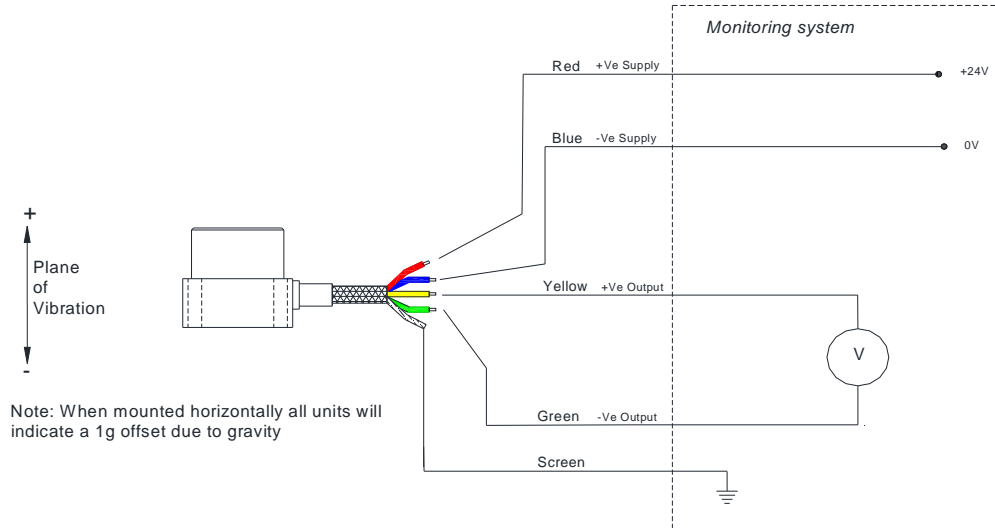


Part #	From	To
MS005	Q/F Male	¼"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	¼"-28 UNF Male	Q/F Female
MS013	¼"-28 UNF Male	Glue base
MS033	¼"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	¼"-28 UNF Male	10-32 UNF Male
MS079	¼"-28 UNF Male	Q/F Female
MS106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



Dimensions of optional Sensors

