


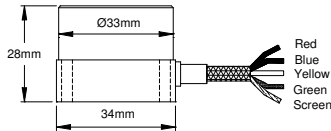


## MTN/7200 Series Accelerometer with DC Response and 4-20mA Output

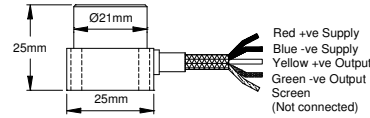
### Applications:

-  Research & Development
-  Structural Monitoring
-  Slow Rotating Machines
-  Test Rigs

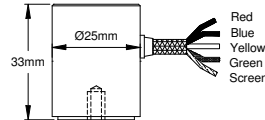
### MTN/7210



### MTN/7200



### MTN/7220



Technical Specification:	
<b>Sensitivity</b>	4 – 20mA (dependent on range). Calibration data supplied
<b>Frequency Response</b>	Dependant on dynamic range ( $\pm 5\%$ ) $\pm 1g$ – DC to 250 Hz, $\pm 10g$ – DC to 500 Hz $\pm 2g$ – DC to 250 Hz, $\pm 20g$ – DC to 700 Hz $\pm 5g$ – DC to 300 Hz, $\pm 50g$ – DC to 1 kHz
<b>Resonant Frequency</b>	$\pm 1g$ – 700 Hz, $\pm 10g$ – 850 Hz $\pm 2g$ – 700 Hz, $\pm 20g$ – 1200 Hz $\pm 5g$ – 800 Hz, $\pm 50g$ – 1800 Hz
<b>Isolation</b>	Base Isolated
<b>Operation Temp.</b>	-20°C to +85°C (extend range available up to 125°C)
<b>Storage Temp.</b>	-40°C to +125°C
<b>DC Supply</b>	10 – 30 Volts
<b>Acceleration Limits</b>	x 20 any direction
<b>Case Material</b>	Stainless steel
<b>Weight</b>	40g nominal
<b>Cable (Standard)</b>	5m of 4 Core stainless steel overbraided PVC
<b>Electrical Noise</b>	10 $\mu$ g
<b>Sealing</b>	IP65

ORDER CODE PART No	MOUNTING	
MTN/7100	SMALL FOUR POINT	REQUIRES
MTN/7110	LARGE FOUR POINT	4 x M3 BOLTS
MTN/7120	1/4" UNF SINGLE POINT	SEE OVER PAGE
MTN/7120F	10-32UNF SINGLE POINT	FOR BASE
MTN/7120Q	QUICK FIT SINGLE POINT	ADAPTERS

Monitran Ltd

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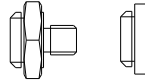
## Mounting Adapters and Studs

### Studs and Grub Screws



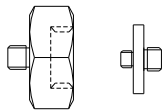
Male Studs		
Product Code	From	To
MS036	1/4" - 28 UNF	M6
MS039	1/4" - 28 UNF	10 - 32 UNF
MS067	1/4" - 28 UNF	M8
MS068	1/4" - 28 UNF	1/4" - 28 UNF
MS124	1/4" - 28 UNF	M10
MS132	1/4" - 28 UNF	M12

### Quick Fit Adapters



Quick Fit (Q/F)		
Product Code	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

### Other Adapters



Mounting Adapters		
Product Code	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

Isolation		
Product Code	From	To
MS034	1/4" - 28 UNF Male	1/4" - 28 UNF Female
MS093	Q/F Male	M8 Male

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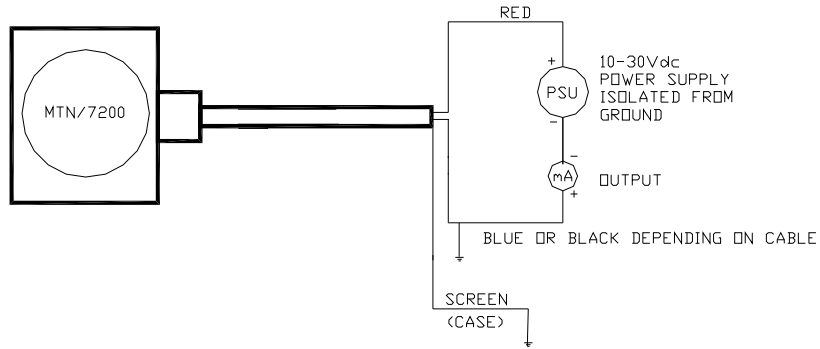
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## System Connection



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