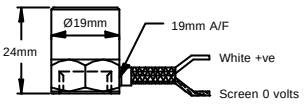
MONITRAN
SENSORS FOR YOUR INDUSTRY

MTN/1120SC Series

Low profile general purpose industrial accelerometer

Applications

- Paper machinery
- General industry
- Pumps, fans, etc.
- Machine tools



Technical Specification

Standard Sensitivity	100 mV/g ±10% nominal at 80 Hz
Frequency Response	2 Hz to 10 kHz ±5% (-3 dB at 0.8 Hz)
Mounted Base Resonance	20 kHz (nominal)
Isolation	Base isolated
Dynamic Range	±80 g
Transverse Sensitivity	Less than 5%
Electrical Noise	0.1 mg max
Current Range	0.5 mA to 8 mA
Temperature Range	-55 to 140 °C
Temperature Sensitivity	0.08 %/°C
Bias Voltage	12 Volts (nominal)
DC Supply	+18 to 30 Volts
Case Material	Stainless steel
Cable	Integral stainless steel overbraided PTFE
Standard Cable Length	5 metres
Maximum Cable Length	1000 metres
Mounting Torque	8 Nm
Weight	45 gms (nominal)
Sealing	IP67
Options	Connector, cable length, various mounts, other sensitivities (see table).

ORDER CODE PART No	MOUNTING	xx =OPTIONAL SENSITIVITY RANGE AVAILABLE (+/- 10%)
MTN/1120SC-xx MTN/1120SCQ-xx	¼ UNF FEMALE QUICK FIT FEMALE	10 mV/g 30 mV/g 50 mV/g
FOR OTHER MOUNTINGS SEE OVER PAGE.		

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Monitran reserves the right to alter the specification without prior notice

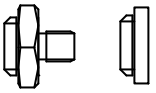
Mounting Adapters and Studs

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

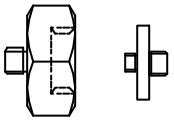
1120 Studs		
Product Code	From	To
MS021	1/4" - 28 UNF	M8

Quick Fit Adapters



1120 Quick Fit (Q/F)		
Product Code	From	To
MS010	1120 Q/F Male	Glue base
MS055	1120 Q/F Male	M8 Male
MS072	1120 Q/F Male	M6 Male
MS102	1120 Q/F Female	10 - 32 UNF Male
MS117	1120 Q/F Male	1/4" - 28 UNF Male

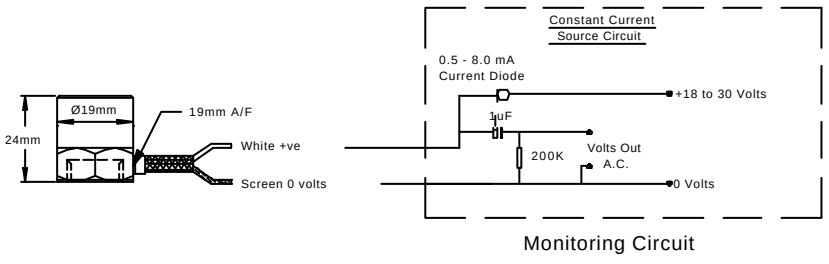
Other Adapters



Mounting Adapters		
Product Code	From	To
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
MS061	1/4" - 28 UNF Male	10 - 32 UNF Male
MS079	1/4" - 28 UNF Male	Q/F Female

Isolation		
Product Code	From	To
MS034	1/4" - 28 UNF Male	1/4" - 28 UNF Female
MS027	M6 Male	M6 Female

System Connection



Monitoring Circuit