

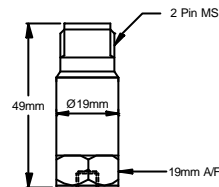


MTN/1170 Series

General purpose industrial accelerometer

Applications

- Portable data collector
- General industry
- Pumps, fans, etc.
- Air handling units



Technical Specification

Standard Sensitivity	100 mV/g $\pm 10\%$ nominal at 80 Hz
Frequency Response	2 Hz to 12 kHz $\pm 5\%$ (-3 dB at 0.5 Hz)
Mounted Base Resonance	22 kHz (min)
Isolation	Base isolated
Dynamic Range	± 50 g
Transverse Sensitivity	Less than 5%
Current Range	0.5 mA to 6 mA
Temperature Range	-25 to 120 VC
Temperature Sensitivity	0.08 %/°C
Bias Voltage	12 Volts DC (nominal)
Case Material	Stainless steel
Mounting Torque	8 Nm
Weight	40 gms (nominal)
Sealing	IP67
Mating Connector	MTN/MH002
Options	Mating cable assemblies.

ORDER CODE PART No	MOUNTING
MTN/1170 MTN/1170Q	1/4 UNF FEMALE QUICK FIT FEMALE
FOR OTHER MOUNTINGS SEE OVER PAGE.	

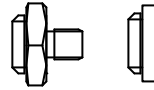
Mounting Adapters and Studs

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

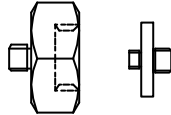
Quick Fit Adapters



1170 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

1170 Studs		
Product Code	From	To
MS021	1/4"-28 UNF	M8

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

