

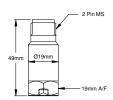


# MTN/1170 Series

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

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	То
MS036 MS039 MS067 MS068 MS124 MS132	1/4"-28 UNF 1/4"-28 UNF 1/4"-28 UNF 1/4"-28 UNF 1/4"-28 UNF 1/4"-28 UNF	M6 10-32 UNF M8 1/4"-28 UNF M10 M12

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

1170 Quick Fit (Q/F)		
Product Code	From	То
MS010 MS055 MS072 MS102 MS117	1120 Q/F Male 1120 Q/F Male 1120 Q/F Male 1120 Q/F Female 1120 Q/F Male	Glue Base M8 Male M6 Male 10-32 UNF Male 1/4"- 28 UNF Male

#### **Other Adapters**



Mounting Adapters		
Product Code	From	То
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 LINE Male	O/F Female

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

# **System Connection**



