

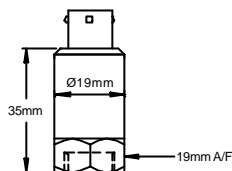


MTN/1120I Series

General purpose industrial accelerometer

Applications

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



Technical Specification

| | |
|-------------------------|--|
| Standard Sensitivity | 100 mV/g $\pm 10\%$ nominal at 80 Hz |
| Frequency Response | 2 Hz to 10 kHz $\pm 5\%$ (-3 dB at 0.8 Hz) |
| Mounted Base Resonance | 20 kHz (nominal) |
| Isolation | Base isolated |
| Dynamic Range | $\pm 80g$ |
| 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 |
| Mounting Torque | 8 Nm |
| Weight | 45 gms (nominal) |
| Sealing | IP67 |
| Mating Connector | MTN/MH008 |
| Options | Connector, side entry, mating cable assemblies, various mounts, other sensitivities (see table). |

| ORDER CODE PART No | MOUNTING | xx =OPTIONAL SENSITIVITY RANGE AVAILABLE (+/- 10%) |
|-----------------------|--|---|
| MTN/1120IF-xx | 10-32 UNF FEMALE QUICK FIT FEMALE M6 FEMALE ¼" UNF FEMALE | 0-10 mV/g |
| MTN/1120IQ-xx | | 0-30 mV/g |
| MTN/1120IF6-xx | | 0-50 mV/g |
| MTN/1120IF1/4-xx | | 0-500 mV/g |

FOR OTHER MOUNTINGS
SEE OVER PAGE

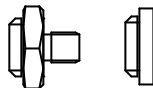
Mounting Adapters and Studs

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 |

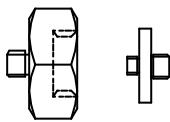
Quick Fit Adapters



| 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 |

| 1120 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

