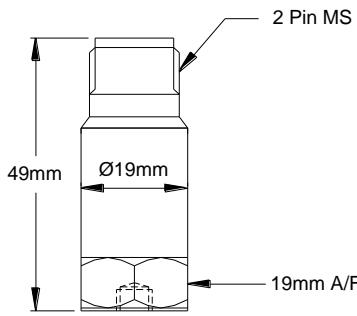


Small footprint, general purpose, top-entry constant current accelerometer with an isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes 2-pin C5015 military style connector. Available with a wide range of mountings and 19mm diameter base.

MTN/1170



Dimensions



Applications

- Portable Data Collector
- General Industry
- Pumps, fans, etc.
- Air Handling Units

Technical

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

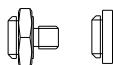
Mounting Adaptors and Studs

Studs and Grub Screws



| Part # | From | To |
|--------|------------------|------------------|
| MS036 | 1/4"-28 UNF Male | M6 Male |
| MS039 | 1/4"-28 UNF Male | 10-32 UNF Male |
| MS067 | 1/4"-28 UNF Male | M8 Male |
| MS068 | 1/4"-28 UNF Male | 1/4"-28 UNF Male |
| MS124 | 1/4"-28 UNF Male | M10 Male |
| MS132 | 1/4"-28 UNF Male | M12 Male |

Quick Fit Adaptors

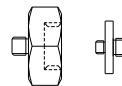


| Part # | From | To |
|--------|------------|------------------|
| MS010 | Q/F Male | Glue base |
| MS055 | Q/F Male | M8 Male |
| MS072 | Q/F Male | M6 Male |
| MS102 | Q/F Female | 10-32 UNF Male |
| MS117 | Q/F Male | 1/4"-28 UNF Male |

| ORDER CODE | MOUNTING |
|------------|------------------|
| PART No | |
| MTN/1170 | 1/4" UNF Female |
| MTN/1170Q | Quick Fit Female |



Other Adapters



| Part # | 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 Adapters

| Part # | From | To |
|--------|------------------|--------------------|
| MS034 | 1/4"-28 UNF Male | 1/4"-28 UNF Female |
| MS027 | M6 Male | M6 Female |

System Connection Details

