

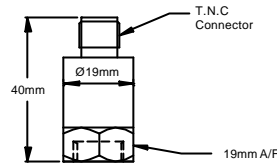


MTN/1020 Series

Low cost, 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 13 kHz $\pm 5\%$ (-3 dB at 0.8Hz) |
| Mounted Base Resonance | 18 kHz (nominal) |
| Isolation | Base non-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 | -25 to 120 °C |
| Temperature Sensitivity | 0.08 %/°C |
| Bias Voltage | 12 Volts DC (nominal) |
| Case Material | Stainless steel |
| Mounting Torque | 8 Nm |
| Weight | 52 gms (nominal) |
| Sealing | IP65 |
| Connector | T.N.C. |
| Options | 50 mV/g sensitivity, mating cable assemblies. |

| ORDER CODE PART No | MOUNTING |
|--------------------------------------|----------------------------------|
| MTN/1020-xx MTN/1020Q-xx | ¼ UNF FEMALE QUICK FIT FEMALE |
| FOR OTHER MOUNTINGS SEE OVER PAGE | |

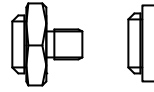
Mounting Adapters and Studs

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 |

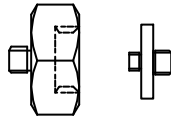
Quick Fit Adapters



| 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

