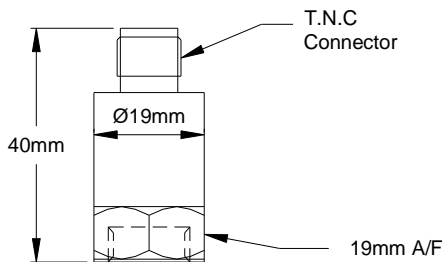


General purpose, top-entry, constant current accelerometer with isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Includes 19mm base, integral TNC connector and available with a wide range of mountings. Smaller and lighter than MTN/1010. Uses coaxial cable (not twin core shielded like the 1100 which also has internal shielding and isolated electronics) and thus shows lower immunity to electrical interference.

## MTN/1020



## Dimensions



## Applications

- Paper Machinery
- General Industry
- Pumps, Fans, etc
- Air Handling Units
- Machine Tools

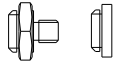
## Technical

|                         |                                       |
|-------------------------|---------------------------------------|
| Standard Sensitivity    | 100 mV/g +/-10% Nominal at 80 Hz      |
| Frequency Response      | 2 Hz to 13 KHz +/-5% (-3dB at 0.8 Hz) |
| Mounted Base Resonance  | 18 KHz (nominal)                      |
| Isolation               | Base Non-Isolated                     |
| Transverse Sensitivity  | Less than 5%                          |
| Dynamic Range           | +/-80g                                |
| 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               | TNC                                   |

| Order Code Part No | Mounting         | xx = Optional sensitivity range Available (+/- 10%) |
|--------------------|------------------|---|
| MTN/1020-xx        | ¼"-28 UNF Female | 10 mV/g   |
| MTN/1020Q-xx       | Quick Fit Female | 30 mV/g   |
|                    |                  | 50 mV/g   |

## Mounting Adaptors and Studs

### Quick Fit Adaptors (1020 Quick Fit (Q/F))



| Part # | From     | To             |
|--------|----------|----------------|
| MS010  | Q/F Male | Glue base      |
| MS055  | Q/F Male | M8 Male        |
| MS072  | Q/F Male | M6 Male        |
| MS102  | Q/F Male | 10-32 UNF Male |
| MS117  | Q/F Male | ¼"-28 UNF Male |

### 1020 Stud supplied with the sensor as standard

| Part # | From           | To      |
|--------|----------------|---------|
| MS021  | ¼"-28 UNF Male | M8 Male |

## System Connection

