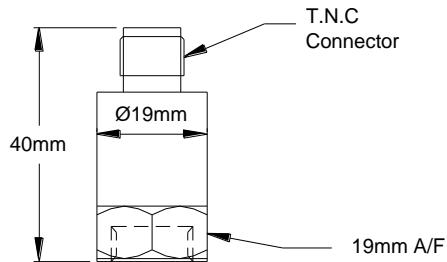


General purpose, top-entry, constant current accelerometer with isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Includes 19mm base, integral TNC connector and available with a wide range of mountings. Smaller and lighter than MTN/1010. 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

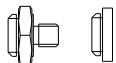
### Technical

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	1/4"-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	1/4"-28 UNF Male

**1020 Stud supplied with the sensor as standard**

Part #	From	To
MS021	1/4"-28 UNF Male	M8 Male

## System Connection

