

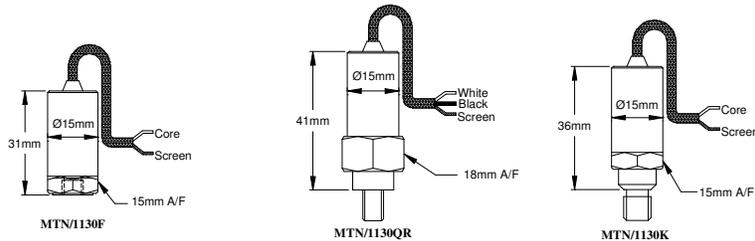


MTN/1130 Series

General purpose industrial accelerometer

Applications

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



Technical Specification

| | |
|-------------------------|--|
| Standard Sensitivity | 100 mV/g $\pm 10\%$ at 80 Hz |
| Frequency Response | 2 Hz to 15 kHz $\pm 5\%$ (-3 dB at 0.8 Hz) |
| Mounted Base Resonance | 22 kHz (nominal) |
| Isolation | Base isolated |
| Temperature Sensitivity | 0.08 %/°C |
| 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 |
| Bias Voltage | 12 Volts DC (nominal) |
| Case Material | Stainless steel |
| Cable | Integral stainless steel overbraided PTFE |
| Standard Cable Length | 5 metres |
| Maximum Cable Length | 1000 metres |
| Mounting Torque | 8 Nm (for M8 and M6), 6Nm (for 10-32 UNF) |
| Weight | 30 gms (nominal) |
| Sealing | IP67 |
| Options | Cable length, various mounts, other sensitivities. |

| ORDER CODE PART No | MOUNTING |
|---------------------------------------|------------------|
| MTN/1130F | 10-32 UNF FEMALE |
| MTN/1130K | M8 MALE CONICAL |
| MTN/1130QR | M6 MALE SWIVEL |
| FOR OTHER MOUNTINGS SEE OVER PAGE. | |

Mounting Adapters and Studs

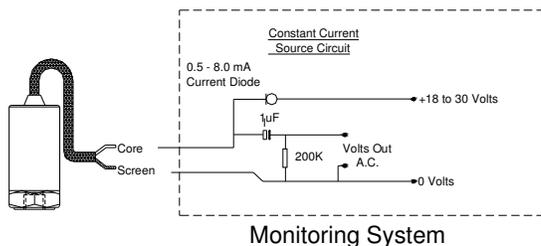
Studs and Grub Screws



| 1130 Male Studs | | |
|-----------------|-------------|---------------|
| Product Code | From | To |
| MS028 | 10 - 32 UNF | M8 |
| MS039 | 10 - 32 UNF | 1/4" - 28 UNF |
| MS065 | 10 - 32 UNF | M6 |

| Grub Screws | |
|--------------|-------------|
| Product Code | Thread |
| MS024 | 10 - 32 UNF |

System Connection



Note: Connection details for the MTN/1130QR with twin core cable vary from the above such that the core is replaced by white; screen replaced by black & the screen is then not connected.