

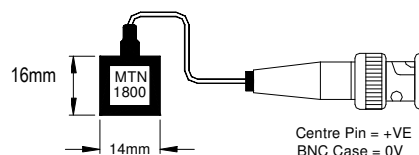


## MTN/1800 Series

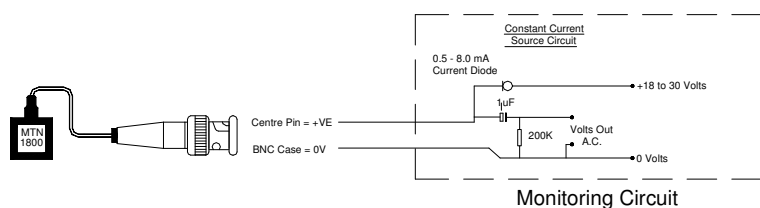
Lightweight accelerometer

### Applications

- Model analysis
- Research & development
- PCB testing



### System Connection



### Technical Specification

|                          |  |
|--------------------------|--|
| Sensitivity              | 1000 mV/g $\pm$ 5%   |
| Range                    | $\pm$ 10g (100g for 100 mV/g)                                    |
| Frequency Response       | 5 Hz to 12 kHz $\pm$ 10% (-3 dB at 3 Hz)                         |
| Phase Shift              | $\pm$ 5% up to 2kHz  |
| Transverse Sensitivity   | 5% (max)   |
| Resonant Frequency       | 25 kHz (nominal)   |
| Amplitude Non Linearity  | 1% max over full range   |
| Current Range            | 0.5 mA to 8 mA   |
| Isolation                | Base isolated  |
| Bias Voltage             | 12 volts DC (nominal)  |
| Output                   | Non-isolated   |
| Temperature Range        | -55 to 120 °C  |
| Temperature Co-efficient | 0.08 %/°C  |
| Vibration (Shock)        | 5,000g (max)   |
| Cable                    | 5 metres light weight PTFE fitted with BNC plug                  |
| Case Material            | Black anodised HE30 Aluminium                                    |
| Mounting                 | Bond with beeswax or adhesive                                    |
| Weight                   | 11 gms (nominal)   |
| Sealing                  | IP65   |
| Options                  | Other sensitivities, mounting configurations (male threads only) |