

## MTN/1800 Series

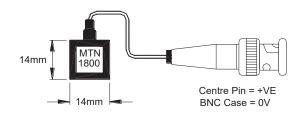
Lightweight accelerometer

Lightweight, small footprint, constant current, high sensitivity accelerometer. Specially adapted for modal analysis and vibration testing in a laboratory. Sealed to IP65. Not recommended for installation in industrial environments. Aluminium body, 12mm cube with lightweight PVC cable terminated with a BNC plug.

### MTN/1800



#### **Dimensions**



#### **Applications**

- Model Analysis
- Research & Development
- PCB Testing

#### **Technical**

Standard Sensitivity	1000 mV/g +/-5%
Range	+/-10g (100g for 100 mV/g)
Frequency Response	5Hz to 12kHz +/-10%, (-3dB at 3Hz)
Phase Shift	+/-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 ETFE fitted with BNC plug
Case Material	Black anodised HE30 aluminium
Mounting	Bond with beeswax or adhesive
Weight	11 gms (nominal)
Sealing	IP65

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(DSxxx.x Page 1 of 2) Calibri, size 8, monitran red (196-18-48)

Instrumentation Devices Srl

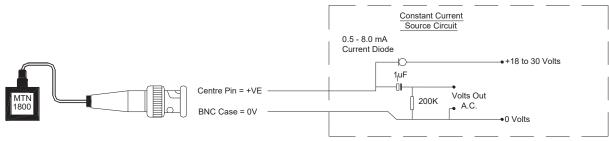
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### **System Connection**



**Monitoring Circuit** 

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We reserve the right to alter specifications without prior notice.

(DSxxx.x Page 2 of 2) Calibri, size 8, monitran red (196-18-48)