

Data Sheet DS0120 Page 1 of 1

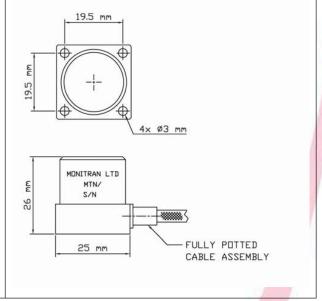
MTN/1310 Tri-axial Accelerometer

Applications

AerospaceAutomotive

Tri-axial accelerometers are ideally suited to any application where vibration in any or all of the three spatial axes needs to be measured.

Research & Development



Electrical Specification

Frequency range 1Hz to 30kHz
Charge sensitivity 5pC/g ±10%
Capacitance 300pF (nominal)

The MTN/1310 is supplied with an integral overbraided 4-core cable and three charge amplifiers (Monitran's MTN/CA003s).

Mechanical Specification

Weight 35g
Acceleration Range ±2,000g
Temperature Range -55 to 250°C
Sealing IP64

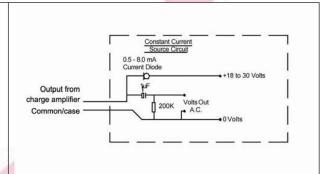
Case Material Stainless steel

Mounting 4-point mount using M3 cap

heads (not supplied)

System Connection

The MTN/1310 requires a monitoring circuit (per axis) such as that shown in the schematic on the right.





Monitran Ltd

Monitor House | 33 Hazlemere Road | Penn | Bucks | HP10 8AD | UK

Tel: +44 (0)1494 816569 Email: info@monitran.com Registered in England No. 2054040

Fax: +44 (0)1494 812256 Web: www.monitran.com Vat No. GB442 4883 40