

Accelerometer with Integral Cable TM0783A

General Purpose, Industrial Piezoelectric Accelerometers

The TM0783A accelerometer kit consists of one accelerometer and one 3 meter cable. This accelerometer kit directly interfaces with PVTVM's signal conditioners: DTM, TR Transmitters, DM dual monitors and PT580 vibration switches to measure case vibration in acceleration or velocity.

Specifications Electrical

Sensitivity: 100 mV/g, @ $25 ^{\circ}\text{C}$, $\pm 10 \%$

Frequency Response: 0.5 - 10,000Hz (±3dB)

Acceleration Range: 50g

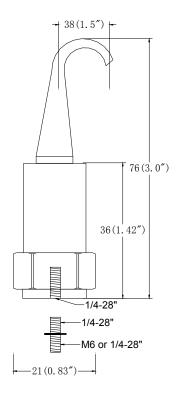
Isolation: Fully isolated **Electrical Noise:** 0.0007g

Power Requirement: 2 - 10mA constant current

18 - 30VDC

Bias Voltage: 10 - 14VDC **Resonance Frequency:** 30 kHz

Maximum Transmission Distance: 300 meters (1,000feet)



Environmental and Physical

Temperature Range: -50°C to +120°C

Environmental Protection: IP67
Weight: 90 grams
Case Material: Stainless steel

Mounting: 1/4-28UNF tapped hole

Installation Torque: 29N x M

Connection

A: Power (red)
B: COM (white)
Shield

Order Information

TM0783A-M

Accelerometer Includes:

- ✓ Accelerometer
- ✓ Mounting screw (1/4-28" to M6×1)
- √ 3m cable

TM0783A-E

Accelerometer Includes:

- ✓ Accelerometer
- ✓ Mounting screw (1/4-28" to 1/4-28")
- ✓ 3m cable

Accessories

TM0710: Mounting screw 1/4-28" - M6×1
TM0711: Mounting screw 1/4-28" - 1/4-28"
TM0712: Mounting screw 1/4-28" - M8
TM0713: Mounting screw 1/4-28" - M10