



## 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 ProvibTech's signal conditioners: DTM, TR Transmitters, DM dual monitors and PT580 vibration switches to measure case vibration in acceleration or velocity.

### Specifications

#### Electrical

<b>Sensitivity:</b>	100mV/g, @ 25°C, ±10%
<b>Frequency Response:</b>	0.5 - 10,000Hz (±3dB)
<b>Acceleration Range:</b>	50g
<b>Isolation:</b>	Fully isolated
<b>Electrical Noise:</b>	0.0007g
<b>Power Requirement:</b>	2 - 10mA constant current 18 - 30VDC
<b>Bias Voltage:</b>	10 - 14VDC

<b>Resonance Frequency:</b>	30 kHz
<b>Maximum Transmission Distance:</b>	300 meters (1,000 feet)

#### 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

