



## 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 Pro vibTech's signal conditioners: distributed transmitter monitors (DTM), transmitters (TR), dual monitors (DM) and PT580 vibration switches to measure case vibration in acceleration or velocity.

### Specifications

#### Electrical

Sensitivity:

100mV/g, @ 25°C, ±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 (1,000 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

