

Accelerometer with Integral Cable TM0783A

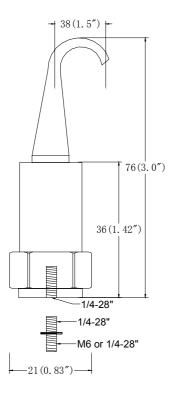
General Purpose, Industrial Piezoelectric Accelerometers

The TM0783A accelerometer kit consists of one accelerometer and one 3 meter cable. This accelerometer kit directly interfaces with ProvibTech's signal conditioners: 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

ТМ0783А-Е

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