



## Side-Exit Accelerometer TM0786A

The TM0786A accelerometer is a side-exit connector and multi-purpose accelerometer.

### Specifications

#### Electrical

Sensitivity:

100mV/g, @ 25°C, ±10%

Frequency Response:

1 - 10,000Hz (±3dB)

Dynamic Range:

50g

Isolation:

Fully isolated

Electrical Noise:

0.0007g

Power Requirement:

3 - 10mA constant current

18 - 30VDC

Bias Voltage

10 - 14VDC



Resonance Frequency:

15 kHz

Maximum Transmission Distance:

300 meters (1,000 feet)

#### Environmental and Physical

Temperature Range:

-50°C to +120°C

Environmental Protection:

IP67

Weight:

200 grams

Case Material:

304 Stainless steel

Sealing:

Hermetically welded

Mounting:

1/4-28UNF or M6×1 screw

Installation Torque:

29N x M

Connector:

MIL-C connector

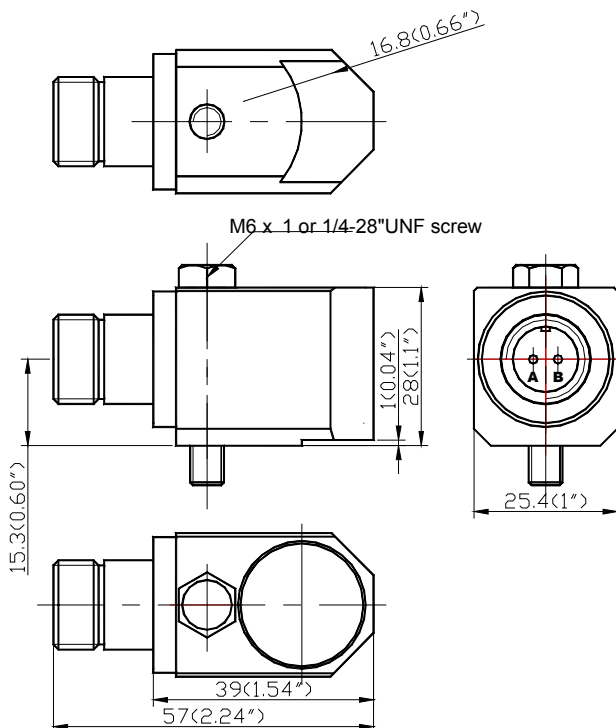
Hazardous Area Approvals:

ATEX: II 1 G, Ex ia IIC T4

CSA: Class I, Div. 1, Group A,B,C,D and T4,

Class I, Zone 0, Ex ia IIC T4

PCEC: Ex ia IIC T4





## Order Information

### **TM0786A-M**

Side-exit accelerometer with metric mounting screw

- ✓ TM0786A accelerometer
- ✓ Mounting screw M6×1

### **TM0786A-E**

Side-exit accelerometer with English mounting screw

- ✓ TM0786A accelerometer
- ✓ Mounting screw 1/4-28"

### **TM0786A-M-S**

Side-exit accelerometer with metric mounting screw

- ✓ TM0786A accelerometer
- ✓ Mounting screw M6×1
- ✓ Hazardous area approval

### **TM0786A-E-S**

Side-exit accelerometer with English mounting screw

- ✓ TM0786A accelerometer
- ✓ Mounting screw 1/4-28"
- ✓ Hazardous area approval

## **Accessories:**

**TM0714:** Mounting screw M6×1

**TM0715:** Mounting screw 1/4-28"

(Standard cable length is 5 meters. XX = 05)



**TM0702-XX:** Aluminum MIL connector with XX meters cable, 6.35mm diameter.  
< 120°C (250°F)



**TM0703-XX:** Seal tight boot connector with XX meters cable, 6.35mm diameter.  
< 120°C (250°F)



**TM0704-XX:** Stainless steel MIL connector with Armored XX meters cable,  
4.83mm diameter. < 150°C (300°F)



**TM0705-XX:** Cornered MIL connector with XX meters cable, 6.35mm diameter.  
< 120°C (250°F)