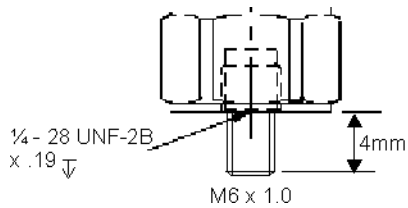
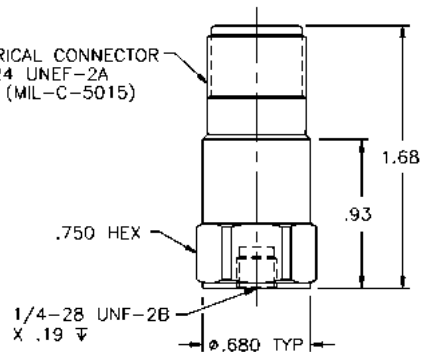


INDUSTRIAL ACCELEROMETER PRM603C01

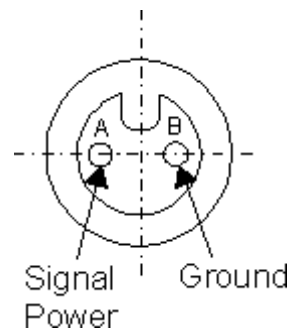
Mounting Detail Supplied
with a M6 stud adaptor



ELECTRICAL CONNECTOR
5/8-24 UNEF-2A
2 PIN (MIL-C-5015)



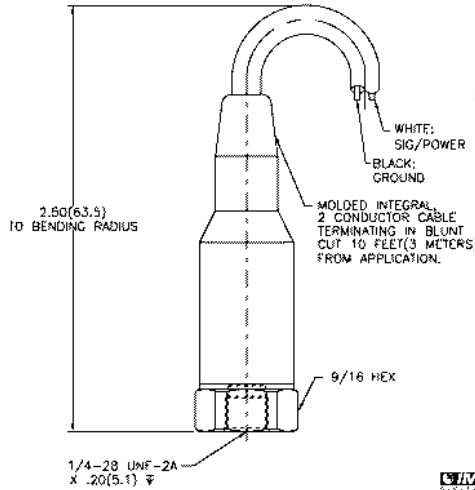
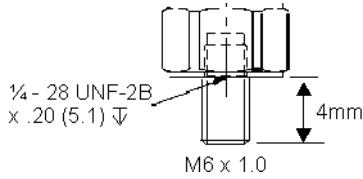
Dynamic Performance	
Sensitivity ($\pm 15\%$)	100 mV/g (10.2 mV/(m/s ²))
Measurement Range	± 50 g (± 490 m/s ²)
Frequency Range: ($\pm 5\%$)	72 – 420k cpm (1.2 – 7000 Hz)
($\pm 10\%$)	52 – 480k cpm (0.87 – 8000 Hz)
(± 3 dB)	26 – 780k cpm (0.43 – 13k Hz)
Mounted Resonant Frequency	1680k cpm (28k Hz)
Amplitude Linearity	$\pm 1\%$
Transverse Sensitivity	$\leq 5\%$
Environmental	
Shock Limit	5,000 g pk (49k m/s ² pk)
Temperature Range	-65 to +250 °F (-54 to +121 °C)
Electrical	
Settling Time	≤ 2.0 sec
Discharge Time Constant	≥ 0.4 sec
Excitation Voltage	18 to 28 VDC
Excitation Constant Current	2 to 20 mA
Output Impedance	< 150 ohms
Output Bias Voltage	8 to 12 VDC
Broadband Noise (1 to 10k Hz)	75 μ g (735.6 μ m/s ²)
Electrical Case Isolation	$> 10^8$ ohms
Mechanical	
Size (hex x height)	11/16 x 1.66 in (17.5 x 42.2 mm)
Weight	1.7 oz (48.6 gm)
Mounting Thread	1/4-28 UNF-2B (M6 adaptor supplied)
Mounting Torque	2 to 5 ft-lb (2.7 to 6.8 N-m)
Sensing Element / Geometry	Ceramic/Shear
Case Material	Stainless Steel
Sealing (Welded)	Hermetic
Electrical Connector, 2-pin (top)	MIL-C-5015



In the interest of development and improvement, A.P.C.S. Pty. Ltd. reserve the right to amend, without notice, details contained in this publication. A.P.C.S. PTY. LTD. will accept no legal liability for any errors, omissions or amendments.

INDUSTRIAL ACCELEROMETER PRM608A11

Mounting detail supplied with a M6 stud adaptor



Dynamic Performance	
Sensitivity ($\pm 20\%$)	100 mV/g (10.2 mV/(m/s ²))
Measurement Range	± 50 g (± 490 m/s ²)
Frequency Range (± 3 dB)	30 to 600000 cpm (0.5 to 10000 Hz)
Resonant Frequency	1320 kcpm (22 kHz)
Broadband Resolution (1 to 10000 Hz)	350 μ g (3434 μ m/s ²)
Non-Linearity	$\pm 1\%$
Transverse Sensitivity	$\leq 7\%$
Environmental	
Overload Limit (Shock)	5000 g pk (49050 m/s ² pk)
Temperature Range	-65 to +250 °F (-54 to +121 °C)
Enclosure Rating	IP68
Electrical	
Settling Time (within 1% of bias)	≤ 2.0 sec
Discharge Time Constant	≥ 0.3 sec
Excitation Voltage	18 to 28 VDC
Constant Current Excitation	2 to 20 mA
Output Impedance	< 150 ohms
Output Bias Voltage	8 to 12 VDC
Spectral Noise (10 Hz)	8 μ g/ $\sqrt{\text{Hz}}$ (78.5 (μ m/s ²)/ $\sqrt{\text{Hz}}$)
Spectral Noise (100 Hz)	5 μ g/ $\sqrt{\text{Hz}}$ (49.1 (μ m/s ²)/ $\sqrt{\text{Hz}}$)
Spectral Noise (1 kHz)	4 μ g/ $\sqrt{\text{Hz}}$ (39.2 (μ m/s ²)/ $\sqrt{\text{Hz}}$)
Electrical Isolation (Case)	$> 10^8$ ohms
Mechanical	
Size (Hex x Height)	9/16 in x 2.5 in (14 mm x 64 mm)
Weight (with cable)	3.5 oz (99.3 gm)
Mounting	Stud
Mounting Thread	1/4-28 UNF-2B (M6 adaptor supplied)
Mounting Torque	2 to 5 ft-lb (2.7 to 6.8 N-m)
Sensing Element	Ceramic
Sensing Geometry	Shear
Housing Material	Stainless Steel
Sealing	Molded
Electrical Connector	Molded Integral Cable
Electrical Connection Position	Top
Cable Length	10 ft
Cable Type	Polyurethane

Order Code Comment

PRM608A11 ACCELEROMETER with 1/4-28 UNF-2B internal thread and M6 adaptor (longer lead time)
 PR608A11 ACCELEROMETER with 1/4-28 UNF-2B internal thread

In the interest of development and improvement, A.P.C.S. Pty. Ltd. reserve the right to amend, without notice, details contained in this publication. A.P.C.S. PTY. LTD. will accept no legal liability for any errors, omissions or amendments.