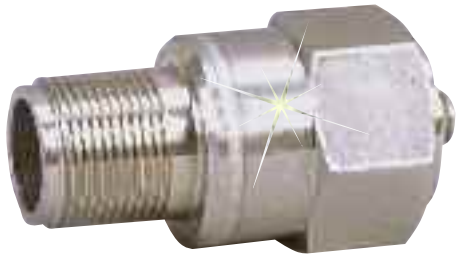


GENERAL PURPOSE TOP-MOUNT INDUSTRIAL ACCELEROMETER

ACC310
\$175



ACC310, \$175, shown larger than actual size.

- ✓ 2-Pin MIL-Style Connector
- ✓ Splashproof Design
- ✓ Ground Isolated
- ✓ Hermetic Seal
- ✓ For Motors, Pumps, Gearboxes, and General Industrial Applications

SPECIFICATIONS

Sensitivity @ 100 Hz, ±10%: 100 mV/g

Frequency Range:

- ±5% 5 Hz to 10 kHz
- ±10% 4 Hz to 12 kHz
- ±3 dB 2 Hz to 20 kHz

Turn-On Time: ≤0.5 s

Amplitude Range: ±75 g peak

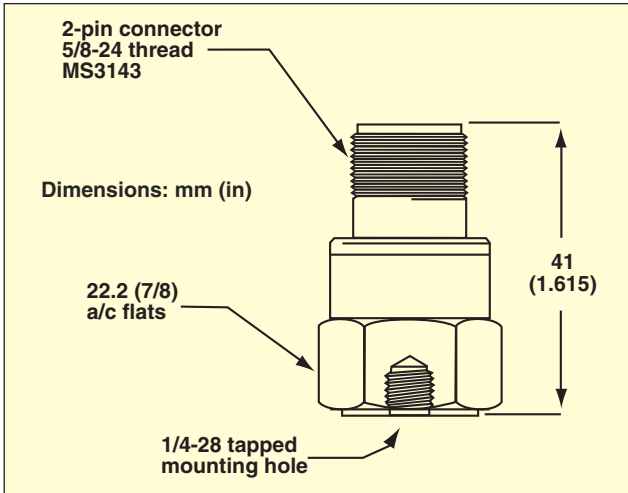
Mounting Resonance: > 40 kHz

Transverse Sensitivity: ≤5%

Amplitude Linearity: <1%

Noise (Typical):

- Broadband:**
2.5 Hz to 20 kHz 350 µg
- Spectral:** 10 Hz 30 µg/µHz
100 Hz 8 µg/µHz
1000 Hz 3 µg/µHz



- Output Impedance:** 100 Ω
- Grounding:** Isolated
- Bias Voltage:** 10 to 14 Vdc
- Power Requirement:** 24 to 30 Vdc
- Current Regulating Diode:** 1 to 6 mA cc
- Temperature Range:** -40 to 121°C (-40 to 250°F)
- Base Strain Sensitivity, Max:** 0.001 g/microstrain
- Shock Limit:** 5000 g peak

PHYSICAL

- Weight:** 68 g (2.4 oz)
- Case Material:** 304L SS
- Design:** Piezoelectric—ring shear
- Sealing:** Welded—hermetic
- Mounting:** ¼-28 stud (not included)
- Mounting Torque:** 2.8 N-m (25 in-lb)
- Mating Connector:** Amphenol 97-3106A-10SL-4S
- Recommended Cabling:** ACC-CB7-10

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
MODEL NO.	PRICE	DESCRIPTION
ACC310	\$175	General purpose accelerometer with top exit connector

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
ACC-CB7-10	\$60	3.05 m (10') MIL/BNC twisted-pair shielded cable
ACC-CB7-10WP	90	3.05 m (10') waterproof twisted-pair shielded cable
ACC-PS2	530	3-range battery-powered signal conditioner
ACC-PS3	475	AC-powered signal conditioner
ACC-CB6	15	17.8 cm (7") BNCM/pigtail coaxial cable
ME-0904	173	Reference Book: Vibration Analysis for Electronic Equipment

Note: See pages K-20 through K-22 for details on the above signal conditioners.

Ordering Example: ACC310, accelerometer, ACC-CB7-10, cable, ACC-PS2, signal conditioner, \$175 + 60 + 530 = \$765.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters