

LABORATORY ACCELEROMETER FOR HIGH VIBRATION LEVELS

10 mV/g OUTPUT TO 500 g

ACC103
\$365



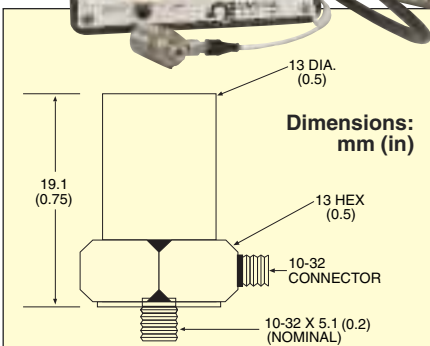
ACC103, \$365.

- ✓ Ideal for Laboratory Shake Testing
- ✓ High Shock/Acceleration Range Up to ± 500 g
- ✓ Fast Turn-On Time (1 s)

At only 15 grams, the ACC103 laboratory accelerometer is ideal for applications in which low weight is critical, such as shake tests and vibration labs. It has a 10 mV/g output and can measure vibrations up to 500 g.

SPECIFICATIONS

- Frequency Response:** 1 Hz to 10 kHz (up to $\pm 10\%$ rated output shift)
- Rated Output:** 10 mV/g nominal @ 100 Hz
- Frequency Range:** 2 Hz to 10 kHz (up to $\pm 5\%$ rated output shift)
- Amplitude Range:** ± 500 g peak
- Amplitude Linearity:** $\pm 2\%$ up to 500 g peak
- Temperature Range:** -50 to 120°C (-60 to 250°F)
- Temperature Sensitivity Effect:** 0.06% FS/°F
- Discharge Time Constant:** 0.5 s min
- Transverse Sensitivity:** 5% of axial max
- Strain Sensitivity:** 0.001 g per microstrain @ 25°/ms
- Maximum g Without Clipping:** ± 1000 g
- Mounted Resonance Frequency:** >40 kHz
- Output Impedance:** 100 Ω
- Bias Voltage:** 10V nominal
- Base Strain:** 0.03 g/microstrain nominal
- Noise Floor (Wideband):** 0.007 g (rms)
- Weight:** 1.5 g (0.05 oz) nominal (without cable)
- Material:** Stainless steel
- Dimensions:** 7.11 H x 6.35 mm hex base (0.28 x 0.25")
- Connector:** 10-32 male, cable not included (order model no. ACC-CB2-10)



BOS-200 oscilloscope, \$499, sold separately. Visit omega.com/bos_series.

Recommended Reference Book:
Vibration of Shells and Plates,
ME-1214, \$105.
See Section Y
For Additional Books

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
ACC103	\$365	Accelerometer for high vibration levels
ACC103-CAL-3	590	Accelerometer with 10-point NIST calibration
ACC-CB2-10	55	3 m (10') coaxial cable (10-32/BNCM) required

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
MAGNET2	\$60	Magnetic mounting base (10 lb holding force) 19.1 Dia. x 19.1 mm high (0.75 x .75")
POWER SUPPLIES		
ACC-PS1	\$205	Battery power supply/amplifier (BNCF connections)
ACC-PS2	530	Battery power supply/amplifier (BNCF connections)
ACC-PS3	525	AC power supply/amplifier (BNCF connections)
INTERFACE CABLES USED BETWEEN POWER SUPPLY AND INSTRUMENTATION		
ACC-CB4-15	\$65	4.6 m (15') coaxial cable (BNCM/BNCM)
ACC-CB5-2	35	0.6 m (2') coaxial cable (BNCM/banana plug)
ACC-CB6	15	178 mm (7") coaxial cable (BNCM/pigtail)

Comes complete with instruction sheet.

Note: See pages K-16 through K-18 for details on the above accessories.

Ordering Example: ACC103, accelerometer, ACC-CB2-10, coaxial cable, ACC-PS1, power supply, ACC-CB5-2, coaxial cable, \$365 + 55 + 205 + 35 = \$660.



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• Flow and Level

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• pH and Conductivity

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• Pressure, Strain and Force

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• 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