



NEW PRODUCT RELEASES BY PCB PIEZOTRONICS

 Including **Endevco** sensors, electronics, and cables

January, 2025



ACCELEROMETERS FOR SHOCK & VIBRATION MEASUREMENTS

CE



CRYOGENIC TRIAXIAL ICP® ACCELEROMETER

MODEL 354A14

- Sensitivity: 10 mV/g
- Measurement Range: ± 500 g pk
- Frequency Range ($\pm 5\%$): 10k Hz

CE



MINIATURE TRIAXIAL ICP® ACCELEROMETERS

MODELS TLD356A01 & TLD356A03

- Measurement Range: ± 1 k g pk (± 9810 m/s²), ± 500 g pk (± 4905 m/s² pk)
- Sensitivity ($\pm 20\%$): 5 mV/g (0.51 mV/(m/s²)), 10 mV/g (1.02 mV/(m/s²))
- TEDS enabled
- Ground isolated models available

CE



TRIAxIAL CHARGE OUTPUT ACCELEROMETER

MODEL 357A67

- Measurement Range: ± 1 k g pk (± 9800 m/s² pk)
- Sensitivity ($\pm 15\%$): 3 pC/g (0.306 pC/(m/s²))
- Temperature Range: -76 to +392 °F (-60 to +200 °C)
- Weight: 0.54 oz (15 gm)



CE



TRIAxIAL ANGULAR RATE SENSOR

ENDEVCO MODEL 7330

- Measurement Range: 100, 500, 1.5k, 6k, 8k, 12k, and 18k deg/sec
- Sensitivity: 20, 4, 1.333, 0.333, 0.25, 0.167, and 0.111 mV/deg/sec
- Frequency Range: Up to 2 kHz
- Weight: 0.32 oz (9.0 gm)



CE



TRIAxIAL PIEZORESISTIVE ACCELEROMETERS

ENDEVCO MODELS 713AL & 713FL

- Measurement Range: ± 2 k g
- Sensitivity: 600 mV full scale output
- Frequency Response ($\pm 5\%$): 0 to 3.5k Hz
- Built-in ESD protection



END OF LINE TESTING KIT

MODEL 300A31

- 353B18 ICP® accelerometer + 080A245 testing probe
- Sensitivity: 10 mV/g
- Measurement Range: ± 500 g
- Upper Frequency Limit: 10 kHz



MICROPHONES FOR ACOUSTIC MEASUREMENTS



LOW NOISE 1/4" FREE-FIELD MICROPHONE AND PREAMPLIFIER SYSTEM

MODEL 378A08

- Inherent Noise: 22 dB(A) re 20 μ Pa
- Sensitivity: 50 mV/Pa
- Frequency Range (± 2 dB): 12 to 20k Hz
- Multiple field usage; minimal impact when used in different fields and orientations



ICP® ARRAY SHORT MICROPHONE WITH INTEGRAL PREAMPLIFIER, 10-32 CONNECTOR, TEDS

MODEL 130A25

- Inherent Noise: 24 dB(A) re 20 μ Pa
- Sensitivity: 45 mV/Pa
- Frequency Range (± 4 dB): 12 to 20k Hz
- Short, low profile array microphone; 1.35 in. length

CHOOSING THE RIGHT PRECISION MICROPHONE

With numerous microphone and preamplifier combinations available, selecting the right system can be challenging. Download the PCB Microphone Handbook for expert guidance on selection, maintenance, calibration, and more.





PRESSURE SENSORS FOR RESEARCH & DEVELOPMENT



UHT-12™ CHARGE OUTPUT PRESSURE SENSOR

MODEL 176A33

- Wide Temperature Range: -94 to 1400 °F (-70 to 760 °C)
- Measurement Range: 3 kpsi (206.8 bar)
- Unique design eliminates the need for water cooling
- Intrinsic safety approvals: ATEX, IECEx



UHT-12™ CHARGE OUTPUT PRESSURE SENSOR

MODEL 112A06

- Wide Temperature Range: -400 to +662 °F (-240 to +350 °C)
- Measurement Range: 5 kpsi (34,475 kPa)
- Resonant Frequency: >200 kHz
- Acceleration Compensated: 0.01 psi/g



ICP® FREE-FIELD EXPLOSION BLAST PRESSURE 'LOLLIPOP' SENSOR

MODEL 113B55

- Measurement Range: 500 psi (3448 kPa)
- Resonant Frequency: >500 kHz
- Unique 'lollipop' configuration measures blast waves from any elevation
- Obtains peak pressure, total impulse, shock wave, and time-of-arrival

WHAT IS UHT-12™ TECHNOLOGY?

UHT-12™ technology eliminates pyroelectric noise up to 1400°F (760°C), maintaining sensitivity across a wide temperature range. With isolated shear mode crystals to prevent base strain and transverse measurement errors, UHT-12™ sensors offer proven reliability in demanding research and monitoring environments.



SENSORS FOR MACHINERY HEALTH MONITORING

CE



IO-LINK® VIBRATION SENSOR

MODEL 674A91

- Frequency Range (Acceleration): 1 to 10k Hz
- Frequency Range (Velocity): 2 – 10k Hz
- Max Crest Factor: 50
- Measures true peak acceleration, RMS acceleration, RMS velocity, crest factor and temperature output



MICROPOWER EMBEDDABLE ACCELEROMETERS

MODELS 66203RPZ1 & 66213RPZ1

- Sensitivity: 50 or 100 mV/g
- Frequency Response (± 3 dB): 1 – 12.5k Hz
- Current Draw: 60 μ A
- Power Up and Settling Time: 350 μ s

CE



4-20 MA VELOCITY TRANSMITTERS WITH M12 CONNECTOR

MODELS 655A9X & 656A9X

- Measurement Range: 0.5, 1, 2 in/sec pk (655A9X) or RMS (656A9X)
- Frequency Range (± 3 dB): 3.5 to 2k Hz
- Temperature Range: -40 to 221 °F (-40 to 105 °C)



MECHANICAL VIBRATION SWITCH WITH HAZARDOUS APPROVALS

MODEL EX685A09

- Measurement Range: 0 to 7 g pk (0 to 68.7 m/s² pk)
- Frequency Range: 0 to 600 cpm (0 to 100 Hz)
- Measures shock and vibration in three planes of motion
- IP66 rated

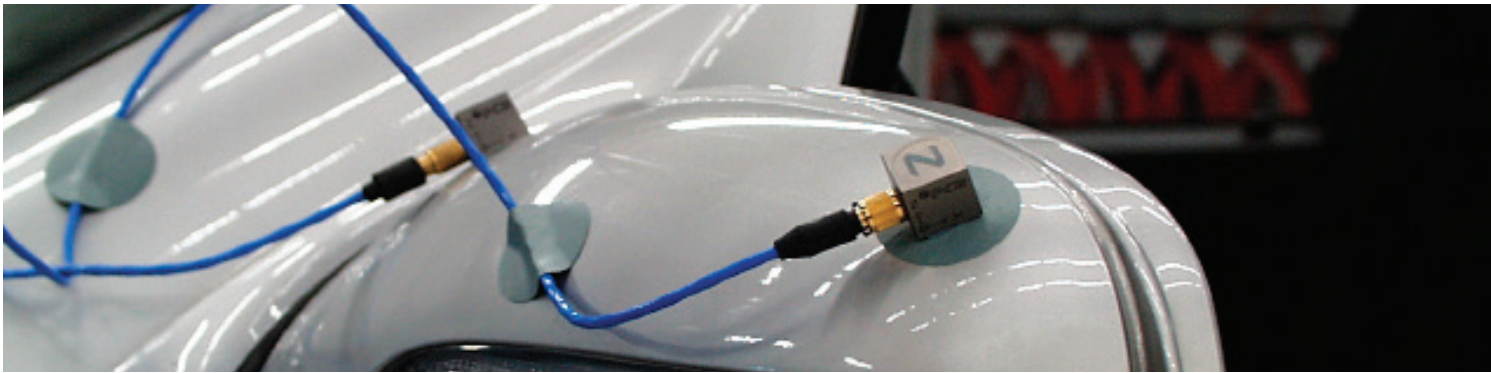
CE



TEMPERATURE OUTPUT TRIAXIAL ICP® ACCELEROMETER

MODEL T0604B91

- Measurement Range: ± 50 g (± 490 m/s²)
- Sensitivity ($\pm 20\%$): 100 mV/g (10.2 mV/(m/s²))
- Frequency Range: (± 3 dB) 30 to 300k cpm (0.5 to 5k Hz)
- Temperature Range: -65 to +250 °F (-54 to +121 °C)



CONNECTORS & CABLE ASSEMBLIES



CE

4-20 MA TRANSMITTER M12 CABLES

MODEL 052PZXXX

- For use with single axis accelerometers
- Shielded polyurethane, 2-conductor cable
- Twisted pair with drain
- 5-socket M12 connector
- Multiple lengths



CE

4-CONDUCTOR CABLE WITH 1/4-28 4-SOCKET WIRE LOCK HEX PLUG TO PIGTAIL LEADS

ENDEVCO MODEL 3027BVM14

- For use with ICP/IEPE triaxial and PR uniaxial accelerometers
- High strength, flexible, PFA jacketed cable
- Temperature rated to 392 °F (200 °C)
- 120 in. stock length with configurable lengths available

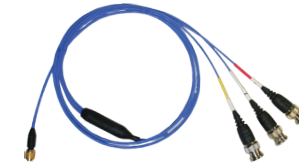


CE

3-COAX CABLE WITH ISOLATED 1/4-28 4-SOCKET PLUG TO (3) 10-32 PLUGS

MODELS 523R10 & 523SRXXXSV

- For use with charge triaxial accelerometers
- Low-noise bundled cable assembly
- Temperature rated to 392 °F (200 °C)
- 10 ft. stock length (523R10) with configurable lengths available



CE

SHIELD GROUNDED 1/4-28 4-SOCKET PLUG TO (3) BNC PLUGS

MODELS 010TXX & 034TXX

- For use with ground isolated ICP/IEPE triaxial accelerometers
- General purpose (010Txx) and low noise (034Txx) models
- Available lengths: 10, 20 and 30 ft.
- Ideal for applications around EMI



ELECTRONICS



DC POWERED AIRBORNE CHARGE AMPLIFIER

ENDEVCO MODEL 2680B

- Biased and unbiased outputs
- High-accuracy digital gain adjustment
- Selectable low-pass filter options
- Qualified for shock and vibration survivability
- Meets MIL-STD-461G (EMC) and MIL-STD-202G (hermeticity) standards



PE/IEPE SIGNAL CONDITIONER

ENDEVCO MODEL 2775C

- Input: single channel PE, IEPE, or in-line RCC
- Outputs: acceleration, velocity, and displacement
- Programmable AC, DC, or Servo outputs
- Configurable Filtering: low-pass, high-pass, or band pass
- Gain up to 10k



DIFFERENTIAL PIEZOELECTRIC SIGNAL CONDITIONER

ENDEVCO MODEL 6634D

- Input: PE, Differential PE, IEPE, VELCOIL, and RCC
- Outputs: acceleration, velocity, and displacement
- Programmable AC and DC outputs
- Configurable Filtering: low-pass, high-pass, or band pass
- SCPI remote control API



3425 Walden Avenue, Depew, NY 14043 USA

pcb.com | info@pcb.com | 800 828 8840 | +1 716 684 0001



10869 NC Highway 903, Halifax, NC 27839 USA

endevco.com | sales@endevco.com | 866 363 3826

© 2025 PCB Piezotronics - all rights reserved. PCB Piezotronics, Inc. is a wholly-owned subsidiary of Amphenol Corporation. Endevco is an assumed name of PCB Piezotronics of North Carolina, Inc., which is a wholly-owned subsidiary of PCB Piezotronics, Inc. Accumetrics, Inc. and The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. IMI Sensors and Larson Davis are Divisions of PCB Piezotronics, Inc. Except for any third party marks for which attribution is provided herein, the company names and product names used in this document may be the registered trademarks or unregistered trademarks of PCB Piezotronics, Inc., PCB Piezotronics of North Carolina, Inc. (d/b/a Endevco), The Modal Shop, Inc. or Accumetrics, Inc. Detailed trademark ownership information is available at www.pcb.com/trademarkownership.

Corp-WhatsNew-0125