

# EXTREME

## ENVIRONMENTS

### FEATURED PRODUCTS

- Accelerometers
- Pressure transducers
- Signal conditioners
- Inertial sensors
- Cable assemblies
- Supporting instrumentation
- Calibration equipment



# Featured products

## Piezoelectric accelerometers



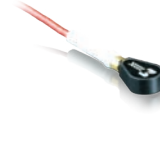
### 6222S High temp accelerometer

- Balanced differential output
- High sensitivity in a low profile package
- Robust ARINC 3-point mounting
- +500°F(+260°C) continuous operation



### 7703A Radiation hardened accelerometer

- Extremely stable Isoshear design
- Radiation environment up to  $10^8$  rads
- Hermetically sealed
- +550°F (+288°C) operation



### 2222C Micro miniature accelerometer

- Adhesive mounted accelerometer
- Light weight (0.5 grams) eliminates mass loading effects
- Excellent output stability over time

## Isotron accelerometers



### 7250B/BM1 High frequency accelerometer

- Measures up to 40KHz
- 360° cable orientation
- Lightweight (1.8 grams)



### 65HTLPF Triaxial accelerometer

- Integral 2-pole low pass filter in front of charge amplifier
- 10 mV/g sensitivity
- 347°F (+175°C) operation
- Small size (10-mm cube, 5 grams)



### 2256B General purpose accelerometer

- Adhesive mount, top connector
- Signal ground isolated from mounting surface
- Small & lightweight (4 grams)
- Available with 10 mV/g or 100 mV/g sensitivity

## Inertial sensors



### 7310A Angular rate sensor

- 7 ranges from 100 to 18,000 deg/sec
- ISO 17025 certified calibration
- Measures rotational velocity
- Accurate in shock environment
- 5 to 16 V excitation
- Weighs less than 3 grams



### 7360A 6 Degrees of freedom sensor

- Three axes of acceleration and three axes of rate sensor
- Compact package with two 12 conductor integral cables
- ISO17025 certified calibration
- Option M1 for 5V operation

## Piezoresistive accelerometers



### 7280AM7 High g accelerometer

- 2K, 20K and 60K g full scale ranges
- Extremely rugged
- Lightly damped
- Robust low noise cable
- Low power consumption

## Variable capacitance accelerometers



### 770A-770F DC accelerometers

- 2, 10, 30, 50, 100 and 200 g ranges
- Rugged Al housing
- 28 AWG cable
- Adhesive or screw mount



### 773 Triaxial low g DC accelerometer

- Triaxial accelerometer
- 2, 10, 30, 50, 100 and 200 g ranges
- Rugged Al housing
- Separate power & ground



### 771 Hermetic low g DC accelerometer

- 2, 10, 30, 50, 100 and 200 g ranges
- Hermetic SS package
- Military temperatures
- 0.625 inch hex base



### 7253D Triaxial accelerometer

- Available with 10 mV/g or 100 mV/g sensitivity
- 360° cable orientation
- Low profile
- Hermetically sealed
- Signal ground isolated from mounting surface



### 35C Ultra-miniature triaxial accelerometer

- World's smallest triaxial IEPE
- Hermetic titanium housing
- Miniature, 0.235 inch cube
- Lightweight, 0.76 grams
- 2.5, 5 and 10 mV/g sensitivity options



### 7270AM7 High g accelerometer

- 2K, 6K, 20K, 60K and 200K g full scale ranges
- Extremely rugged
- Broad frequency response
- Undamped
- Robust low noise cable



### 728 Shock accelerometer

- 2,000 and 10,000 g full scale ranges
- Small, lightweight (0.5 grams)
- Broad bandwidth (0 to 8,000Hz +/-1dB)
- Damped
- Adhesive mount



### 713-713F Triaxial shock accelerometer

- Triaxial accelerometer
- 2000 g full scale range
- Multi-mode damping
- High sensitivity
- Adhesive or screw mount

## Supportive instrumentation



### 4416C IEPE signal conditioner

- Portable compact size, battery powered
- Selectable gain: 1, 10, 100
- 2nd order Sallen Key 10 kHz low pass filter
- Single-channel



### 4830B Accelerometer simulator

- Battery operated, portable accelerometer simulator
- Simulates the electrical output signals generated by common measurement transducers
- Simplifies troubleshooting, verification, and calibration processes for test systems
- Ability to create, store, and recall up to 40 pre-set simulation profiles
- Adjustable, TTL based tachometer output
- Analyze vibration signals with built in FFT function



### 4418 Single channel bridge signal conditioner

- Designed for use with Endevco piezoresistive and variable capacitance accelerometers
- Portable compact size, battery operated
- Selectable gain: 1, 10, 100
- Easy ZMO adjust



### 2771CM2 Remote charge convertor

- Designed for use with extreme high temperature sensors (1200°F, 650°C)
- Wide frequency response
- Supports IEEE 1451.4 (TEDS)



10869 NC Highway 903, Halifax, NC 27839 USA

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

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**nbn Austria GmbH**

Riesstraße 146, 8010 Graz

Tel. +43 316 40 28 05 | Fax +43 316 40 25 06

nbn@nbn.at | [www.nbn.at](http://www.nbn.at)

