MINIATURE ICP® ACCELEROMETERS
WITH FLEXIBLE, INTEGRAL CABLE

High overload shock limit prevents sensor damage
Extremely small size minimizes mass loading
Wide frequency range for broader testing capabilities

TYPICAL APPLICATIONS
Environmental Stress Screening (ESS)
Electronic board testing
Mobile electronics drop testing
Small component shock testing

These miniature cube ICP® accelerometers feature two different sensitivity options and a flexible integral cable for easy routing. High overload shock limits reduce the potential for sensor damage or signal saturation during testing. These sensors have fully welded, titanium external housings that provide hermetic sealing.

Sensor power can be from any ICP® compatible signal conditioner or data acquisition system that provides 18 to 30 VDC, and 2 to 20 mA of constant current.

PCB’s offering of single axis and triaxial piezoelectric accelerometers include measurement ranges from as low as 0.5 g up to 100,000 g.
### SPECIFICATIONS

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<th>Model Number</th>
<th>356A04</th>
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<td>356A04/NC</td>
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#### Performance
- **Sensitivity (±20%)**: 1.0 mV/g, 0.25 mV/g
- **Measurement Range**: ±5000 g pk, ±20000 g pk
- **Frequency Range**: 1.2 to 10,000 Hz
- **Resonant Frequency**: > 50 kHz
- **Broadband Resolution**: 0.02 g rms, 0.04 g rms

#### Environmental
- **Overload Shock Limit**: ±10000 g pk, ±30000 g pk
- **Temperature Range**: -65 to +325 °F (-54 to +163 °C)

#### Electrical
- **Bias Voltage**: 8 - 12 V
- **Constant Current**: 2 to 20 mA
- **Discharge Time Constant**: 0.4 to 1.2 sec

#### Physical
- **Housing Material**: Titanium
- **Size - Width x Length x Height**: 0.25 x 0.25 x 0.25 in (6.4 x 6.4 x 6.4 mm)
- **Weight**: 0.03 oz (0.8 gm)
- **Attached Cable**: 5.0 ft (1.5 m)

#### Supplied Accessories
- **Extension / Breakout Cable (4-pin plug to 3 x BNC’s)**: 034G05 (5.0 ft, 1.5 m) excluded on /NC models
- **Petro Wax**: 080A109
- **Quick Bond Gel**: 080A89

#### Accessories - Optional
- **Extended Length Cables**: 034G10, 034G15, 034G20, 034G30, 034G50
- **Signal Conditioning**:
  - 482C05 (4 channels, bench top, line powered)
  - 482C16 (4 channels, bench top, line powered, front panel keypad/display, gain)
  - 483C05 (8 channels, rack mount, line powered)
  - 483C50 (8 channels, rack mount, line powered, computer control, gain)
  - 480B21 (3 channels, portable battery operated, gain)