NEW FROM PCB®
# ACCELEROMETERS FOR SHOCK & VIBRATION MEASUREMENTS

<table>
<thead>
<tr>
<th>MINIATURE, LIGHTWEIGHT ICP® SHOCK ACCELEROMETERS</th>
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<th>MINIATURE ICP® TEARDROP ACCELEROMETER WITH TEDS</th>
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</thead>
<tbody>
<tr>
<td><strong>MODEL 352A91</strong></td>
<td><strong>MODEL 352A92</strong></td>
<td><strong>MODEL 352A59</strong></td>
</tr>
<tr>
<td>Sensitivity: 1 mV/g</td>
<td>Sensitivity: 0.25 mV/g</td>
<td>Sensitivity: 10 mV/g</td>
</tr>
<tr>
<td>Measurement Range: ±5000 g pk</td>
<td>Measurement Range: ±20000 g pk</td>
<td>Measurement Range: ±500 g pk</td>
</tr>
<tr>
<td>Overload Shock Limit: ±10000 g pk</td>
<td>Overload Shock Limit: ±30000 g pk</td>
<td>Overload Shock Limit: ±10000 g pk</td>
</tr>
</tbody>
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<tr>
<th>MINIATURE, LIGHTWEIGHT TRIAXIAL ICP® ACCELEROMETER</th>
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<tr>
<td><strong>MODEL 356A04</strong></td>
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<td><strong>MODEL J356A03/NC</strong></td>
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</tr>
<tr>
<td>Frequency Range: 1 to 10000 Hz</td>
<td>Frequency Range: 1 to 10000 Hz</td>
<td>Ground Isolated</td>
</tr>
</tbody>
</table>
0.40” TRIAXIAL CUBE
ADHESIVE MOUNTING CLIP
MODEL 080A237
• Simplify accelerometer installation & removal
• Typical frequency response 2.5 kHz
• Compatible with PCB 0.40 inch (10.2mm) accelerometers

ICP® TRIAXIAL SHOCK
ACCELEROMETER
MODEL 350B43
• Sensitivity: 0.5 mV/g
• Measurement Range: ±10000 g pk
• Frequency Range: 0.4 to 10000 Hz
• Mechanical and Electrical Isolation

ICP® TRIAXIAL SHOCK
ACCELEROMETER
MODEL 350B44
• Sensitivity: 1.0 mV/g
• Measurement Range: ±5000 g pk
• Frequency Range: 0.4 to 10000 Hz
• Mechanical and Electrical Isolation

SINGLE AXIS MEMS DC
ACCELEROMETER
MODELS 3711F112G, 3711F1110G, 3711F1150G, 3711F11100G, 3711F11200G
• Measurement Ranges: ±2 / ±10 / ±30 / ±50 / ±100 / ±200 g pk
• Temperature Range: (Operating) -65 to +250 °F (-54.0 to +121 °C)
• Electrical Connector: ¼-28 4-Pin

TRIAXIAL AXIS MEMS DC
ACCELEROMETER
MODELS 3713F112G, 3713F1110G, 3713F1150G, 3713F11100G, 3713F11200G
• Measurement Ranges: ±2 / ±10 / ±30 / ±50 / ±100 / ±200 g pk
• Temperature Range: (Operating) -65 to +250 °F (-54.0 to +121 °C)
• Electrical Connector: 9-Pin

DIFFERENTIAL MEMS DC
ACCELEROMETER
• Measurement Ranges: ±2 / ±10 / ±30 / ±50 / ±100 / ±200 g pk
• Temperature Range: (Operating) -65 to +250 °F (-54.0 to +121 °C)
• Electrical Connector: Integral Cable
CONNECTORS & CABLE ASSEMBLIES FOR RESEARCH & DEVELOPMENT

WATER SUBMERSIBLE 1/4-28 4-SOCKET CONNECTOR
RB CONNECTOR
- IP68 rated submersible, dust tight
- -76 to 325 °F (-60 to 163 °C)
- Stock Product

WATER/Submersible
1/4-28 4-Socket Connector
RB Connector

WATER SUBMERSIBLE CABLE ASSEMBLY
MODEL 078Wxx – 5, 10, 20, 30, 50 FT STOCK LENGTHS
- IP68 rated submersible, sensor end only
- 1/4-28 4-Socket to (3) BNC plugs
- Low noise, shielded 4 conductor, polyurethane jacket

WATER SUBMERSIBLE CABLE ASSEMBLY
MODEL 034Wxx – 5, 10, 20, 30, 50 FT STOCK LENGTHS
- IP68 rated submersible, sensor end only
- 1/4-28 4-Socket to (3) BNC plugs
- Low Noise, shielded 4 conductor, Blue FEP Jacket

RUGGED CABLE ASSEMBLY FOR ENVIRONMENTAL CHAMBERS
MODEL 098Q10 – 10 FT STOCK LENGTH
- Stainless steel hex nut, precision internal components
- 10-32 coaxial plug (QX) to BNC plug
- Low-noise, stranded coaxial cable, green TFE jacket
MODALLY TUNED®
IMPACT HAMMERS WITH
FORCE SENSOR, &
SIGNAL CONDITIONER

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>TLD086C01</th>
<th>TLD086C02</th>
<th>TLD086C03</th>
<th>TLD086C04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>50 mV/lbf (11.2 mV/N)</td>
<td>10 mV/lbf (2.25 mV/N)</td>
<td>5 mV/lbf (1.10 mV/N)</td>
<td></td>
</tr>
<tr>
<td>Measurement Range</td>
<td>±100 lbf pk (±444 N pk)</td>
<td>±500 lbf pk (±2224 N pk)</td>
<td>±1000 lbf pk (±4448 N pk)</td>
<td></td>
</tr>
<tr>
<td>Hammer Mass</td>
<td>0.23 lb (0.10 kg)</td>
<td>0.34 lb (0.16 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEDS, per IEEE 1451.4</td>
<td>TEDS version 1.0, Template 1</td>
<td>(Transducer Electronic Data Sheet)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DIN RAIL MOUNT ICP® SIGNAL CONDITIONER
MODEL 410C01
- USB & Ethernet Configurable / Signal View
- Broad Frequency Range
- DIN rail mounting with standard 24 VDC power
PRESSURE SENSORS FOR RESEARCH & DEVELOPMENT

WATER COOLED PRESSURE SENSOR WITH REPLACEABLE COOLANT TUBES
MODEL 124B23
- Sensitivity: 0.5 mV/psi (.073 mV/kPa)
- Measurement Range: 5000 psi (34475 kPa)
- Low Frequency Response: (-5%) 0.001 Hz

SUBMINIATURE ICP® PRESSURE SENSOR WITH INTEGRAL LEAD WIRES
MODEL 105C
- Sensitivity: 50 mV/psi (7.3 mV/kPa)
- Measurement Range: 100 psi (690 kPa)
- Size (D x L): 0.156 in (0.04 mm) x 0.46 in (11.7 mm)

MICRO ICP® PRESSURE SENSOR FOR HIGH FREQUENCY VELOCITY AND TIME OF ARRIVAL MEASUREMENT
MODEL 132B38
- Sensitivity: 140 mV/psi (20.3 mV/kPa)
- Measurement Range: 50 psi (345 kPa)
- Frequency Range: 11 kHz to 1.0 MHz

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>105C</th>
<th>105C02</th>
<th>105C12</th>
<th>105C22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>50 mV/psi (7.3 mV/kPa)</td>
<td>5.0 mV/psi (0.73 mV/kPa)</td>
<td>1.0 mV/psi (0.145 mV/kPa)</td>
<td></td>
</tr>
<tr>
<td>Measurement Range</td>
<td>100 psi (690 kPa)</td>
<td>1000 psi (6895 kPa)</td>
<td>5000 psi (34475 kPa)</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>0.005 psi (0.035 kPa)</td>
<td>0.020 psi (0.140 kPa)</td>
<td>0.100 psi (0.690 kPa)</td>
<td></td>
</tr>
<tr>
<td>Resonant Frequency</td>
<td>≥ 250 kHz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>Integral Cable</td>
<td></td>
<td>5-44 Coaxial Jack</td>
<td></td>
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</tbody>
</table>
MICROPHONES FOR ACOUSTIC MEASUREMENTS

HAZARDOUS LOCATIONS & EXPLOSIVE ATMOSPHERES COMPLIANT ICP® CONDENSER MICROPHONE
MODEL EX378B02
- ATEX, IECEX, ETL approved and IEC-61094 compliant
- M1 below ground approved outside North America
- Frequency Range: 3.75 Hz to 20 kHz

RUGGED GRID CAP FOR 1/2” DIAMETER HIGH SENSITIVITY MICROPHONES
MODEL 079A52
- Provides added protection for microphone diaphragm
- Use on any 1/2” high sensitivity microphone
- Justifiable low cost accessory for free-field, random incidence

1/2” LOW NOISE FREE-FIELD ICP® MICROPHONE SYSTEM WITH TEDS
MODEL 378A04
- Prepolarized (industry’s first)
- Frequency Range: 10 Hz to 16 kHz
- Less than 6.5 dBA noise floor

PHANTOM POWERED PREAMPLIFIER FOR TEST & MEASUREMENT MICROPHONES
MODEL 426A14
- 12V, 24V, & 48V compatible
- Works with 1/4” and 1/2” prepolarized microphones
- Uses audio XLR connector
SPINNING WHEEL INTEGRATED FORCE TRANSDUCERS
SWIFT® EVO

SWIFT EVO 10 MOTORCYCLE/ATV
- Fx & Fz up to 20 kN (4400 lbs)
- Mx & Mz up to 3 kN-m (2235 lbs-ft)
- Hysteresis (force) 0.2 (0.2) %FS (Typical)

SWIFT EVO 20 SMALL CAR
- Fx & Fz up to 30 kN (6744 lbs)
- Mx & Mz up to 6 kN-m (4425 lbs-ft)
- Hysteresis (force) 0.2 (0.1) %FS (Typical)

SWIFT EVO 30 PASSENGER CAR
- Fx & Fz up to 50 kN (11240 lbs)
- Mx & Mz up to 9 kN-m (6638 lbs-ft)
- Hysteresis (force) 0.2 (0.1) %FS (Typical)

SWIFT EVO 40 LIGHT TRUCK
- Fx & Fz up to 60 kN (13489 lbs)
- Mx & Mz up to 15 kN-m (11063 lbs-ft)
- Hysteresis (force) 0.2 (0.1) %FS (Typical)
SWIFT EVO 45 MEDIUM TRUCK
- Fx & Fz up to 120 kN (26977 lbs)
- Mx & Mz up to 28 kN-m (20652 lbs-ft)
- Hysteresis (force) 0.2 (0.2) %FS (Typical)

SWIFT EVO 50 HEAVY TRUCK
- Fx & Fz up to 220 kN (49458 lbs)
- Mx & Mz up to 50 kN-m (36878 lbs-ft)
- Hysteresis (force) 0.5 (0.25) %FS (Typical)

SWIFT EVO 60 AGRICULTURAL VEHICLE
- Fx & Fz up to 250 kN (56202 lbs)
- Mx & Mz up to 75 kN-m (55317 lbs-ft)
- Hysteresis (force) ≤ 1 %FS

SWIFT EVO TRANSDUCER INTERFACE
- DC powered, single wheel interface
- Transducer Electronic Data Sheet (TEDS) compatible
- New Graphical User Interface for easy set-up
SENSORS FOR POWER GENERATION EQUIPMENT

1200 ºF (649 ºC) SINGLE-ENDED CHARGE OUTPUT ACCELEROMETER WITH UHT-12™ ELEMENT
MODEL 357A64
- Sensitivity: 1.15 pC/g
- Measurement Range: ±1000 g pk
- Frequency Range: Up to 10 kHz

1200 ºF (649 ºC) SINGLE-ENDED CHARGE OUTPUT ACCELEROMETER WITH UHT-12™ ELEMENT
MODEL 357M168
- Sensitivity: 1.15 pC/g
- Measurement Range: ±1000 g pk
- Frequency Range: Up to 10 kHz

900 ºF (482 ºC) CHARGE OUTPUT TRIAXIAL ACCELEROMETER WITH UHT-12™ ELEMENT
MODEL EX356A73
- Sensitivity: 3.2 pC/g
- Measurement Range: ±500 g pk
- Frequency Range: Up to 4 kHz

1200 ºF (649 ºC) SINGLE-ENDED CHARGE OUTPUT ACCELEROMETER WITH UHT-12™ ELEMENT
MODELS EX357E90, 91, 92, 93
- Sensitivity: 5.0 pC/g (90, 91)
  2.3 pC/g (92, 93)
- Measurement Range: ±1000 g pk
- Frequency Range: Up to 3 kHz

1200 ºF (649 ºC) DIFFERENTIAL CHARGE OUTPUT ACCELEROMETER WITH UHT-12™ ELEMENT
MODELS EX357A94, 95
- Sensitivity: 3.3 pC/g
- Measurement Range: ±1000 g pk
- Frequency Range: Up to 3 kHz

DIFFERENTIAL CHARGE AMPLIFIER
MODELS 421B30, 31, 3X
- Sensitivity: Configurable
- Output: Voltage and current
- Maximum Output: ±5 V pk or ±5 mA pk
SENSORS FOR MACHINERY
HEALTH MONITORING

DIGITAL USB ACCELEROMETER
MODEL 633A01
- Sensitivity: (Channel A) 334566 counts/g
- Measurement Range: ±20 g pk
- Frequency Range: 0.9 to 15k Hz

CRYOGENIC, INDUSTRIAL, QUARTZ SHEAR
ICP® ACCELEROMETER
MODEL (EX)637A06
- Sensitivity: 25 mV/g
- Measurement Range: ±200 g
- Frequency Range: 4 to 15k Hz

CRYOGENIC, INDUSTRIAL, QUARTZ SHEAR
ICP® ACCELEROMETER
MODEL (EX)638A06
- Sensitivity: 25 mV/g
- Measurement Range: ±200 g
- Frequency Range: 4 to 15k Hz

TABLET NOT INCLUDED
MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), vastly expanded its range of products and solutions after MTS acquired PCB Piezotronics, Inc. in July, 2016. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corp.; IMI Sensors and Larson Davis are divisions of PCB Piezotronics, Inc.; Accumetrics, Inc. and The Modal Shop, Inc. are subsidiaries of PCB Piezotronics, Inc.