SENSORS AND SYSTEMS FOR RESEARCH & DEVELOPMENT AND MACHINERY HEALTH MONITORING

PLATINUM STOCK SENSORS
SAME DAY SHIPPING - LIFETIME WARRANTY

www.PCB.com  |  800.828.8840
OVER 10,000 SENSORS IN STOCK, READY TO SHIP!

At PCB®, we don’t just know the sensor business; we pioneered ICP® technology. For almost 50 years, every sensor design and assembly is subjected to tight in-house inspection and quality control. That’s why we have impeccable product performance and longevity. And that’s what our customers expect from every PCB® sensor.

Platinum Stock Sensors* program is one of the ways we live up to our Total Customer Satisfaction guarantee. Driven by customer demand, these sensors and cables are the best fit for typical R&D, product testing, and industrial monitoring applications. Platinum Stock Sensors ship the same day and are backed by a lifetime warranty - if you are not 100% satisfied, simply send them back. We’ll repair or replace them, guaranteed. No questions asked!

VOLUME DISCOUNTS

5% Discount: 10-24 Units 10% Discount: 25-99 Units 15% Discount: 100+ Units

*For U.S. customers, orders up to 10 units placed before 4 p.m. EST ship the same day. IF NOT, YOUR SHIPPING IS FREE. For orders outside the U.S., please contact your local representative. Volume discounts are valid in the USA only.

GENERAL PURPOSE ICP® ACCELEROMETERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>352C03</td>
<td>10 mV/g (1.02 mV/(m/s²)), 0.5 to 10 kHz</td>
</tr>
<tr>
<td>352C04</td>
<td>10 mV/g (1.02 mV/(m/s²)), 0.5 to 10 kHz</td>
</tr>
<tr>
<td>353B03</td>
<td>10 mV/g (1.02 mV/(m/s²)), 1 to 7 kHz</td>
</tr>
<tr>
<td>353B04</td>
<td>10 mV/g (1.02 mV/(m/s²)), 1 to 7 kHz</td>
</tr>
</tbody>
</table>

- 10-32 side connector
- Ceramic shear
- 10-32 top connector
- Quartz shear
- 10-32 side connector
**HIGH SENSITIVITY ICP® ACCELEROMETERS**

**352C33**
- 100 mV/g (10.2 mV/(m/s²)), 0.5 to 10 kHz
- 10-32 side connector
- Ceramic shear

**352C34**
- 100 mV/g (10.2 mV/(m/s²)), 0.5 to 10 kHz
- 10-32 top connector
- Ceramic shear

**353B33**
- 100 mV/g (10.2 mV/(m/s²)), 1 to 4 kHz
- 10-32 side connector
- Ceramic shear

**353B34**
- 100 mV/g (10.2 mV/(m/s²)), 1 to 4 kHz
- 10-32 top connector
- Quartz shear

**HIGH TEMPERATURE CHARGE OUTPUT ACCELEROMETER**

**357B03**
- 10 pC/g (1.02 pC/(m/s²)), 9 kHz
- 10-32 side connector
- Ceramic shear
- -95 °F to +500 °F (-71 °C to + 260 °C)

**GENERAL PURPOSE ICP® TRIAXIAL ACCELEROMETERS**

**356A02**
- 10 mV/g (1.02 mV/(m/s²)), 1 to 5 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Titanium housing

**356A25**
- 25 mV/g (2.6 mV/(m/s²)), 1 to 5 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Titanium housing

**HIGH SENSITIVITY ICP® TRIAXIAL ACCELEROMETERS**

**356A15**
- 100 mV/g (10.2 mV/(m/s²)), 2 to 5 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Titanium housing

**356B18**
- 1000 mV/g (102 mV/(m/s²)), 0.5 to 3 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Aluminum housing

**356A16**
- 100 mV/g (10.2 mV/(m/s²)), 0.5 to 5 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Aluminum housing

**356A17**
- 500 mV/g (51 mV/(m/s²)), 0.5 to 3 kHz
- 1/4-28 4-pin connector
- Ceramic shear
- Aluminum housing

**MINIATURE ICP® TRIAXIAL ACCELEROMETERS WITH TEDS**

**NEW**
**356A43**
- 10 mV/g (1.02 mV/(m/s²)), 0.7 Hz to 7 kHz
- 1/4-28 4-pin connector
- Titanium housing
- 0.4 in (10.2 mm) cube

**NEW**
**356A44**
- 50 mV/g (5.1 mV/(m/s²)), 0.7 Hz to 7 kHz
- 1/4-28 4-pin connector
- Titanium housing
- 0.4 in (10.2 mm) cube

**NEW**
**356A45**
- 100 mV/g (10.2 mV/(m/s²)), 0.7 Hz to 7 kHz
- 1/4-28 4-pin connector
- Titanium housing
- 0.4 in (10.2 mm) cube
### MINIATURE ICP® ACCELEROMETERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Sensitivity</th>
<th>Frequency Range</th>
<th>Connector</th>
<th>Shear Material</th>
<th>Housing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>352C23</td>
<td>10-ft (3 m) cable</td>
<td>5 mV/g (0.5 mV/(m/s^2)), 2 to 10 kHz (0.3 gm)</td>
<td>1 to 10 kHz (0.5 gm)</td>
<td>3-56 side connector</td>
<td>Ceramic</td>
<td>Aluminum</td>
</tr>
<tr>
<td>352C23/NC</td>
<td>(No cable)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>352A73</td>
<td>5 mV/g (0.5 mV/(m/s^2)), 2 to 10 kHz (0.3 gm)</td>
<td>1 to 10 kHz (0.5 gm)</td>
<td>3-56 side connector</td>
<td>Ceramic</td>
<td></td>
<td>Aluminum</td>
</tr>
<tr>
<td>352A24</td>
<td>10-ft (3 m) cable</td>
<td>100 mV/g (10.2 mV/(m/s^2)), 1 to 8 kHz (0.8 gm)</td>
<td>1 to 10 kHz (2 gm)</td>
<td>3-56 side connector</td>
<td>Ceramic</td>
<td>Aluminum</td>
</tr>
<tr>
<td>352A24/NC</td>
<td>(No cable)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>353B15</td>
<td>(5-40 Mount)</td>
<td>10 mV/g (1.0 mV/(m/s^2)), 1 to 10 kHz (2 gm)</td>
<td>5-44 side connector</td>
<td>Quartz</td>
<td></td>
<td>Titanium</td>
</tr>
<tr>
<td>M353B15</td>
<td>(Metric - M3 Mount)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>352C65</td>
<td>(10-ft (3 m) cable)</td>
<td>10 mV/g (1.0 mV/(m/s^2)), 0.5 to 10 kHz (2 gm)</td>
<td>5-44 side connector</td>
<td>Ceramic</td>
<td></td>
<td>Titanium</td>
</tr>
<tr>
<td>M352C65</td>
<td>(No cable)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>353B17</td>
<td>(5-40 Mount)</td>
<td>100 mV/g (10.2 mV/(m/s^2)), 0.5 to 10 kHz (1.7 gm)</td>
<td>10-ft integral cable</td>
<td>Quartz</td>
<td></td>
<td>Titanium</td>
</tr>
<tr>
<td>M353B17</td>
<td>(Metric - M3 Mount)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>353B18</td>
<td>(5-40 Mount)</td>
<td>10 mV/g (1.0 mV/(m/s^2)), 1 to 10 kHz (1.8 gm)</td>
<td>10-32 top connector</td>
<td>Quartz</td>
<td></td>
<td>Titanium</td>
</tr>
<tr>
<td>M353B18</td>
<td>(Metric - M3 Mount)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>352C68</td>
<td>(5-40 Mount)</td>
<td>100 mV/g (10.2 mV/(m/s^2)), 0.5 to 10 kHz (2.0 gm)</td>
<td>10-32 top connector</td>
<td>Ceramic</td>
<td></td>
<td>Titanium</td>
</tr>
</tbody>
</table>
## MINIATURE ICP® TRIAXIAL ACCELEROMETERS

### 356A01
5-ft (1.5 m) integral cable plus 5-ft (1.5 m) extension cable w/BNC plug termination

- 5 mV/g (0.51 mV/(m/s²)), 2 to 5 kHz (1.0 gm)
- Ceramic shear
- +250 °F (121 °C) operating temperature
- 0.25 in (6.35 mm) cube, titanium housing

### 356A01/NC
(No extension cable)

### 356A03
5-ft (1.5 m) integral cable plus 5-ft (1.5 m) extension cable w/BNC plug termination

- 10 mV/g (1.02 mV/(m/s²)), 2 to 5 kHz (1.0 gm)
- Ceramic shear
- +250 °F (121 °C) operating temperature
- 0.25 in (6.35 mm) cube, titanium housing

### 356A03/NC
(No extension cable)

### HT356B01

- Same as 356A01 with +356 °F (180 °C) operating temperature

### HT356B01/NC

### 356B21
10-ft (3 m) cable

- 10 mV/g (1.02 mV/(m/s²)), 2 to 7 kHz (4 gm)
- Mini 8-36 4-pin connector
- +250 °F (121 °C) operating temperature
- Titanium housing

### 356B21/NC
(No cable)

### HT356B21

- Same as 356B21 with +325 °F (163 °C) operating temperature

### HT356B21/NC

### 356A32
(10-ft (3 m) cable)

- 100 mV/g (10.2 mV/(m/s²)), 1 to 4 kHz (5.4 gm)
- Mini 8-36 4-pin connector
- Titanium housing

### 356A32/NC
(No cable)
STRUCTURAL TEST PRODUCTS

**333B30 Modal Array ICP® Accelerometer**
- 100 mV/g (10.2 mV/(m/s²)), 0.5 to 3 kHz
- 10-32 side connector
- Ceramic shear
- 5-40 stud mount

**333B50 Modal Array ICP® Accelerometer**
- 1000 mV/g (10.2 mV/(m/s²)), 0.5 to 3 kHz
- 10-32 side connector
- Ceramic shear
- 5-40 stud mount

**086C03 Modally Tuned® ICP® Impact Hammer**
- 10 mV/lbf (2.2 mV/N)
- 0 to 500 lbf pk
- Variety of impact tips & extender mass included

MEMS DC RESPONSE ACCELEROMETERS

**3711B110G**
- 200 mV/g (20.4 mV/(m/s²)), 0 to 1000 Hz
- 4-pin connector
- ±10 g range
- Titanium housing

**3711B1130G**
- 66.7 mV/g (6.80 mV/(m/s²)), 0 to 1000 Hz
- 4-pin connector
- ±30 g range
- Titanium housing

**3711B1150G**
- 40 mV/g (4.1 mV/(m/s²)), 0 to 1000 Hz
- 4-pin connector
- ±50 g range
- Titanium housing

MEMS DC RESPONSE TRIAXIAL ACCELEROMETERS

**3713B1110G**
- 200 mV/g (20.4 mV/(m/s²)), 0 to 1000 Hz
- 9-pin connector
- ±10 g range
- Titanium housing

**3713B1130G**
- 66.7 mV/g (6.80 mV/(m/s²)), 0 to 1000 Hz
- 9-pin connector
- ±30 g range
- Titanium housing

**3713B1150G**
- 40 mV/g (4.1 mV/(m/s²)), 0 to 1000 Hz
- 9-pin connector
- ±50 g range
- Titanium housing
### GENERAL PURPOSE ICP® FORCE SENSORS

<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Type</th>
<th>Sensitivity</th>
<th>Range</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>208C01</td>
<td>1-channel</td>
<td>500 mV/lb (112410 mV/kN)</td>
<td>0.04448 kN compression</td>
<td>10 lb (0.04448 kN) compression</td>
</tr>
<tr>
<td>208C02</td>
<td>1-channel</td>
<td>50 mV/lb (11241 mV/kN)</td>
<td>0.4448 kN compression</td>
<td>10 lb (0.4448 kN) compression</td>
</tr>
<tr>
<td>208C03</td>
<td>1-channel</td>
<td>10 mV/lb (2248 mV/kN)</td>
<td>2.224 kN compression</td>
<td>500 lb (2.224 kN) compression</td>
</tr>
<tr>
<td>208C04</td>
<td>1-channel</td>
<td>5 mV/lb (1124 mV/kN)</td>
<td>4.448 kN compression</td>
<td>1 k lb (4.448 kN) compression</td>
</tr>
<tr>
<td>208C05</td>
<td>1-channel</td>
<td>1 mV/lb (224.82 mV/kN)</td>
<td>22.24 kN compression</td>
<td>5 k lb (22.24 kN) compression</td>
</tr>
</tbody>
</table>

### HIGH FREQUENCY ICP® PRESSURE SENSORS

**With acceleration compensation**

<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Type</th>
<th>Sensitivity</th>
<th>Range</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>113B21</td>
<td>1-channel</td>
<td>25 mV/psi (3.6 mV/kPa)</td>
<td>0.145 mV/kPa</td>
<td>500 kHz resonant frequency</td>
</tr>
<tr>
<td>113B22</td>
<td>1-channel</td>
<td>1 mV/psi (0.145 mV/kPa)</td>
<td>0.725 mV/kPa</td>
<td>500 kHz resonant frequency</td>
</tr>
<tr>
<td>113B24</td>
<td>1-channel</td>
<td>5 mV/psi (0.725 mV/kPa)</td>
<td>1.45 mV/kPa</td>
<td>500 kHz resonant frequency</td>
</tr>
<tr>
<td>113B26</td>
<td>1-channel</td>
<td>10 mV/psi (1.45 mV/kPa)</td>
<td>2.224 mV/kPa</td>
<td>500 kHz resonant frequency</td>
</tr>
<tr>
<td>113B28</td>
<td>1-channel</td>
<td>100 mV/psi (14.5 mV/kPa)</td>
<td>22.24 mV/kPa</td>
<td>500 kHz resonant frequency</td>
</tr>
</tbody>
</table>

### ICP® SENSOR SIGNAL CONDITIONERS

<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Type</th>
<th>Features</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>480C02</td>
<td>1-channel</td>
<td>Battery-powered</td>
<td>1-channel, Battery-powered, Unity gain, BNC input/output connector</td>
</tr>
<tr>
<td>482C05</td>
<td>4-channel</td>
<td>Line-powered</td>
<td>4-channel, Line-powered, Unity gain, BNC input/output connector</td>
</tr>
<tr>
<td>482C15</td>
<td>4-channel</td>
<td>Line-powered</td>
<td>4-channel, Line-powered, x1, x10, x100 gain, BNC input/output connector</td>
</tr>
</tbody>
</table>

### HANDHELD SHAKER

<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Type</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>394C06</td>
<td>1-channel</td>
<td>1 g at 159.2 Hz (up to 210 grams total weight of sensor, cable and mounting accessories)</td>
</tr>
</tbody>
</table>
STOCK CABLES FOR TEST PRODUCTS

Stock Cables are available for immediate shipment but are not covered under Platinum Stock Sensors Lifetime Warranty

COAXIAL CABLE ASSEMBLIES

<table>
<thead>
<tr>
<th>Coaxial Cable Assemblies</th>
<th>Coaxial Cable Assemblies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Model</strong></td>
<td><strong>FEP</strong></td>
</tr>
<tr>
<td>002C</td>
<td>03 05 10 20 30 50</td>
</tr>
<tr>
<td>003A</td>
<td>01 03 05 10 20 30 50</td>
</tr>
<tr>
<td>003C</td>
<td>03 05 10 20 30 50</td>
</tr>
<tr>
<td>012A</td>
<td>03 05 10 20 30 50</td>
</tr>
<tr>
<td>030A</td>
<td>05 10 20 30</td>
</tr>
<tr>
<td>018C</td>
<td>05 10 20</td>
</tr>
</tbody>
</table>

Build a cable assembly model number by combining base model with desired length, e.g. 002C10.
4-CONDUCTOR CABLE ASSEMBLIES

Build a cable assembly model by combining base model number with desired length, e.g. 034G20.

<table>
<thead>
<tr>
<th>Base Model</th>
<th>5 ft/1.5 m</th>
<th>10 ft/3.0 m</th>
<th>15 ft/4.6 m</th>
<th>20 ft/6.1 m</th>
<th>25 ft/7.6 m</th>
<th>30 ft/9.1 m</th>
<th>50 ft/15.2 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>010G</td>
<td>05 10 15 20 25 30 50</td>
<td>FEP, General Purpose</td>
<td>4-Socket Plug to (3) BNC Plugs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>078G</td>
<td>- 10 - 20 - 30 -</td>
<td>Polyurethane, Flexible, Rugged</td>
<td>4-Socket Plug to (3) BNC Plugs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>034G</td>
<td>05 10 15 20 - 30 50</td>
<td>FEP, Lightweight</td>
<td>4-Socket Plug to (3) BNC Plugs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>034K</td>
<td>- 10 - 20 - 30 50</td>
<td>FEP, Lightweight</td>
<td>Mini 4-Socket Plug to (3) BNC Plugs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>010P</td>
<td>- 10 - 20 - 30 -</td>
<td>FEP, General Purpose</td>
<td>4-Socket Plug to Pigtails (for Series 3711)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INDUSTRIAL ICP® ACCELEROMETERS 100 mV/g (10.2 mV/(m/s²)) (UNLESS OTHERWISE NOTED)
Ideal for permanent installations

**603C01 M603C01**
- General purpose, hermetically sealed
- IMI's most popular accelerometer
- Small footprint

**601A02 M601A02**
- 500 mV/g (51 mV/(m/s²))
- Frequency Range: 0.17 to 10 kHz
- Top exit, 2-pin connector

**627A01 M627A01**
- Frequency range: 0.3 to 10 kHz
- 2-pin MIL-C-5015 connector
- Quartz sensing element

**601A01 M601A01**
- Very good signal-to-noise ratio
- Frequency range: 0.27 to 10 kHz
- Ceramic sensing element

**608A11 M608A11**
- Ideal for submersible applications
- Small installation footprint
- 10-ft (3 m) integral cable

**608A11/020BZ M608A11/020BZ**
- 20-ft (6 m) integral cable

**608A11/030BZ M608A11/030BZ**
- 30-ft (9 m) integral cable

**608A11/050BZ M608A11/050BZ**
- 50-ft (15 m) integral cable

**604B31 M604B31**
- Triaxial accelerometer
- Through-bolt aids in cable orientation
- Ceramic sensing element

**602D01 M602D01**
- Easy installation in tight spaces
- Through-bolt aids in cable orientation
- Low profile, less than 1 in. height

**607A11 M607A11**
- 10-ft (3 m) integral cable

**607A11/020BZ M607A11/020BZ**
- 20-ft (6 m) integral cable

**607A11/030BZ M607A11/030BZ**
- 30-ft (9 m) integral cable

**607A11/050BZ M607A11/050BZ**
- 50-ft (15 m) integral cable

**607A01 M607A01**
- Patented 360° swivel mount design
- Frequency range: 0.5 to 10 kHz

### THE SWIVELER®
INDUSTRIAL ICP® ACCELEROMETERS 100 mV/g (10.2 mV/(m/s²))

**607A11 M607A11**
- 10-ft (3 m) integral cable

**607A11/020BZ M607A11/020BZ**
- 20-ft (6 m) integral cable

**607A11/030BZ M607A11/030BZ**
- 30-ft (9 m) integral cable

**607A11/050BZ M607A11/050BZ**
- 50-ft (15 m) integral cable

**607A01 M607A01**
- Patented 360° swivel mount design
- Frequency range: 0.5 to 10 kHz
**Sensors for Machinery Health Monitoring**

**Precision ICP® Accelerometers**

100 mV/g (10.2 mV/(m/s²)) ±5%

Ideal for route-based data collection

- **622B01**
  - Full frequency sweep calibration
  - 15 kHz high frequency response
  - Ideal for early detection of bearing defects

- **625B01**
  - Side exit, ring style
  - Low frequency response to 0.2 Hz
  - Ceramic sensing element

**BNC Termination Boxes**

For use with data collectors that supply ICP® power

- **691A51/02**
  - 2 output channels via BNC

- **691A51/04**
  - 4 output channels via BNC

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**4-20 mA Output Vibration Transmitter**

Continuous monitoring, designed to work with any PLC, DCS or SCADA system

- **640B00**
  - Output: 0 – 0.5 ips peak
  - Frequency range: 3 to 1000 Hz

- **640B01**
  - Output: 0 – 1.0 ips peak
  - Frequency range: 3 to 1000 Hz

- **641B01**
  - Output: 0 – 1.0 ips RMS
  - Frequency range: 10 to 1000 Hz

**Bearings Fault Detector**

- **682C03**
  - Output: Two 4-20 mA signals
    - (one scaled for RMS overall vibration, one scaled for true peak vibration)
    - Plus raw vibration signal
  - Measurement range: ±50 g

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**Stock Cables for Industrial Products**

Industrial Stock Cables are available for immediate shipment but are not covered under Platinum Stock Sensors Lifetime Warranty.

**Stock cables are available in 10, 20 & 30 foot (3, 6, 9 meter) lengths.**

- **052BRBZ**
  - 2-conductor polyurethane cable, with 2-socket MIL to blunt cut

- **052BQBZ**
  - 2-conductor polyurethane cable, with right-angle 2-socket MIL to blunt cut

- **052AEBZ**
  - 2-conductor polyurethane cable, with 2-socket MIL environmental boot to blunt cut

- **053AEBZ**
  - 2-conductor PTFE cable, with 2-socket MIL environmental boot to blunt cut

- **050LQ006LU**
  - 6 ft (1.8m) coiled 2-conductor polyurethane cable, with 2-socket MIL to 3-pin half breakaway connector

- **052LV001AC**
  - 1 ft (0.3m) 2-conductor polyurethane cable, with 3-socket half breakaway connector to BNC plug

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www.PCB.com/Platinum
Platinum Stock Sensors* program is one of the ways we live up to our Total Customer Satisfaction guarantee. Driven by customer demand, these sensors and cables are the best fit for typical R&D, product testing, and industrial monitoring applications. Platinum Stock Sensors ship the same day and are backed by a lifetime warranty — if you are not 100% satisfied, simply send them back. We’ll repair or replace them, guaranteed. No questions asked!

*For U.S. customers, orders up to 10 units placed before 4 p.m. EST ship the same day. IF NOT, YOUR SHIPPING IS FREE. For orders outside the U.S., please contact your local representative. Volume discounts are available in the U.S. only.