



MODELS 352A91 & 352A92

TEARDROP ICP® SHOCK ACCELEROMETERS WITH FLEXIBLE, INTEGRAL CABLE



- Extremely small size for minimal mass loading
- Wide frequency range for broader testing capabilities
- High overload shock limit allowing higher test amplitudes without sensor damage

TYPICAL APPLICATIONS

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

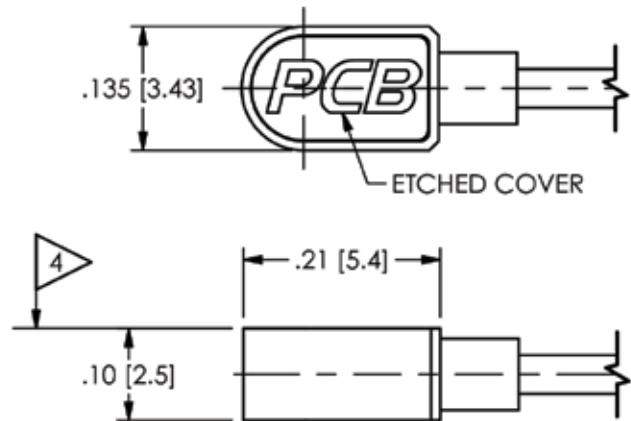
This teardrop features two different measurement ranges, (+/- 5,000 g and +/- 20,000 g) in a miniature package with low mass, 0.006 oz (0.17gm).

Developed with robustness for harsh environments in mind, these accelerometers include an integral cable & hermetically sealed titanium housing that survives high overload shock under thermal load up to +325°F (163°C).

These accelerometers can be instrumented via any ICP® signal conditioner or data acquisition system that includes 18 to 30 VDC and 2 to 20 mA of constant current. Extension cables are available when necessary.

CE

SPECIFICATIONS		
Model Number	352A91	352A92
Performance		
Sensitivity ($\pm 20\%$)	1 mV/g	0.25 mV/g
Range	$\pm 5,000$ g pk	$\pm 20,000$ g pk
Frequency ($\pm 5\%$)	1.2 to 10,000 Hz	1.2 to 10,000 Hz
Resonant Frequency	> 100 kHz	> 100 kHz
Broadband Resolution	0.02 g rms	0.04 g rms
Environmental		
Overload Shock Limit	$\pm 20,000$ g pk	$\pm 30,000$ g pk
Temperature Range	-65 to +325 °F	-65 to +325 °F
	-54 to +163 °C	-54 to +163 °C
Electrical		
Bias Voltage	8 - 12 V	8 - 12 V
Constant Current	2 to 20 mA	2 to 20 mA
Discharge Time Constant	0.4 to 1.2 sec	0.4 to 1.2 sec
Physical		
Housing Material	Titanium	Titanium
Size -Width x Length x Height	0.100 x 0.215 x 0.135 in	0.100 x 0.215 x 0.135 in
	2.54 x 5.46 x 3.43 mm	2.54 x 5.46 x 3.43 mm
Weight	0.006 oz (0.17 gm)	0.0055 oz (0.16 gm)
Attached Cable	3 ft (0.9 m)	3 ft (0.9 m)
Supplied Accessories		
Removal Tool		039A37
Petro Wax		080A109
Quick Bond Gel		080A89
Accessories - Optional		
Extension Cable	002CXX (10-32 Plug to BNC Plug termination)	
Extension Cable	003CXX (10-32 Plug to BNC Plug termination)	
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)	
	480C02 (1 channel, low noise, battery operated)	



3425 Walden Avenue, Depew, NY 14043-2495 USA

Toll-Free in the USA: 800 828 8840

Phone: 1 716 684 0001 | Email: info@pcb.com

PCB Piezotronics, Inc. is a designer and manufacturer of microphones, vibration, pressure, force, torque, load, and strain sensors, as well as the pioneer of ICP® technology used by design engineers and predictive maintenance professionals worldwide for test, measurement, monitoring, and control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, OEM applications, and more. With a worldwide customer support team, 24-hour SensorLineSM, and a global distribution network, PCB® is committed to Total Customer Satisfaction. Visit www.pcb.com for more information. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corporation. Additional information on MTS can be found at www.mts.com.

© 2019 PCB Piezotronics, Inc. In the interest of constant product improvement, specifications are subject to change without notice. PCB®, ICP®, Swiveler®, Modally Tuned®, and IMI® with associated logo are registered trademarks of PCB Piezotronics, Inc. in the United States. ICP® is a registered trademark of PCB Piezotronics Europe GmbH in Germany and other countries. UHT-12™ is a trademark of PCB Piezotronics, Inc. SensorLineSM is a service mark of PCB Piezotronics, Inc. SWIFT® is a registered trademark of MTS Systems Corporation in the United States.

TM-352A91-352A92-0319



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.