



MODELS 356A04, 356A05  
356A04/NC & 356A05/NC

## 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

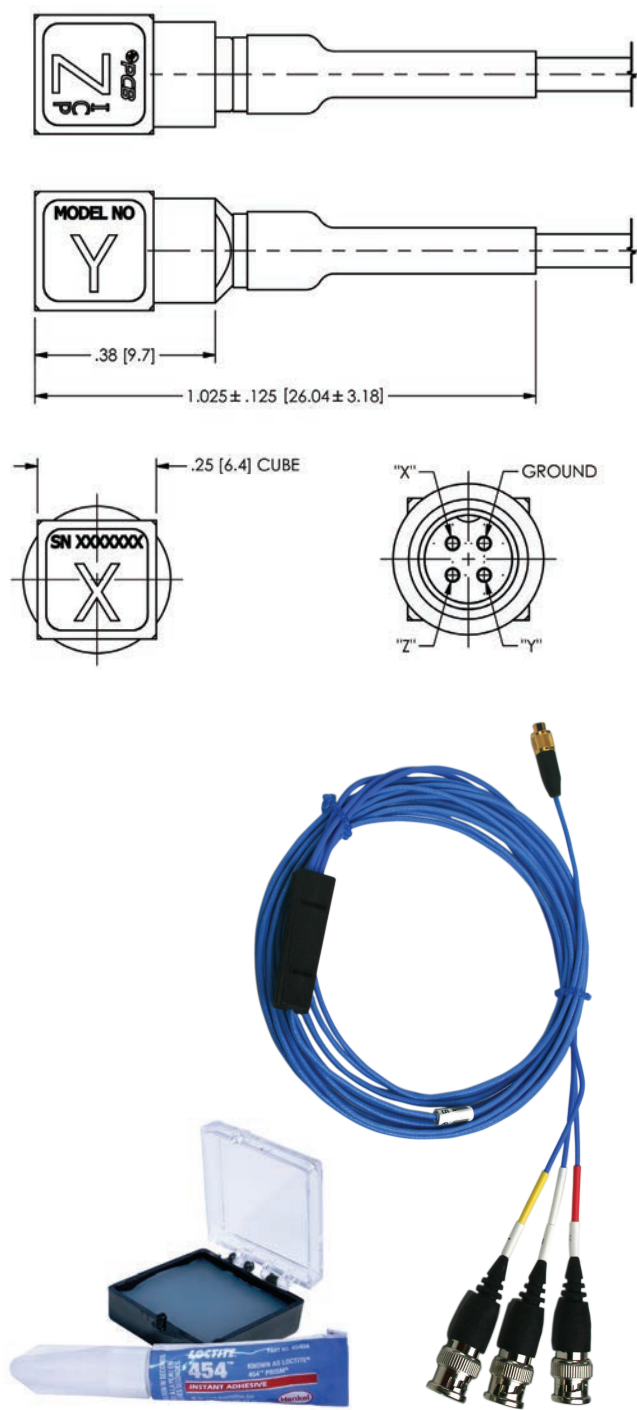
- Environmental Stress Screening (ESS)
- Electronic board testing
- Mobile electronics drop testing
- Small component shock testing

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		
Model Number	356A04	356A05
	356A04/NC	356A05/NC
<b>Performance</b>		
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
<b>Environmental</b>		
Overload Shock Limit	±10000 g pk	±30000 g pk
Temperature Range	-65 to +325 °F (-54 to +163 °C)	
<b>Electrical</b>		
Bias Voltage	8 - 12 V	
Constant Current	2 to 20 mA	
Discharge Time Constant	0.4 to 1.2 sec	
<b>Physical</b>		
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)	
<b>Supplied Accessories</b>		
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	
<b>Accessories - Optional</b>		
Extended Length Cables	034G10, 034G15, 034G20, 34G30, 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)	



**PCB PIEZOTRONICS**  
MTS SYSTEMS CORPORATION

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-VIB-356A04-356A05-0819



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.