



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
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, 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)	

