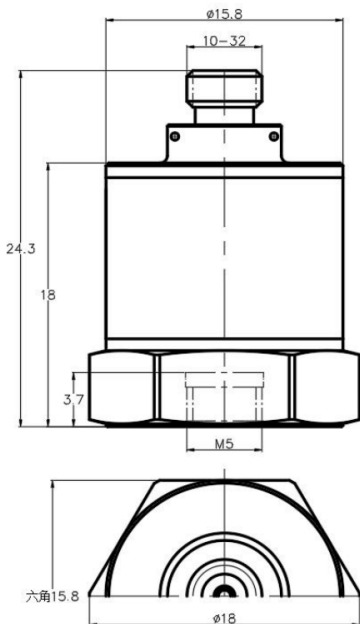


Ultra-high Temperature Differential Charge Output Accelerometer

Model No: C05AG4

Product Features:

- High-Temperature Vibration Testing Charge Output Sensor
- Designed specifically for high-temperature testing environments, this sensor features a special structure, high-temperature piezoelectric materials, and a heat-resistant casing.
- Standard models are available in a series, with various output forms and a range of measurement ranges to choose from.
- Top 10-32 thread output.



Technical specifications

Features	Units	C05AG4
Sensitivity	pC/g	50
Measuring Range	g	±800
Frequency Response ±5%	Hz	1-6k
Frequency Response ±10%	Hz	1-9k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥30

Environmental		
Base strain	g/ε	0.0008
Shock Limit ¹	g pk	3000
Maximum Vibration ²	g rms	2000
Sensitivity Temperature Coefficient	%/°C	0.040
Operating Temperature	°C	-50~300
Sealing Type	IP68	Laser welding

Electrical Parameters		
Output Type	Differential	
Element Capacitance	pF	2300
Element Insulation Resistance	Ω	≥1×10 ¹¹

Structure		
Sensitive Element	High-Temperature Piezoelectric Ceramic	
Sensitive Element	Nickel-Based Alloy	
Sealing Type	Laser welding IP68	
Output Connector	10-32 top end	
Installation Type	M5	
Insulation Resistance to Ground	Ω	≥1×10 ⁸
Mass	g	23
Recommended Installation Torque	N·m	3.0

Notes: 1,2: Refer to the sensor's mechanical structure not being damaged while in a non-powered state.

Product Factory Configuration:

- User Manual
- Factory Calibration Report
- Standard 3-meter High-Temperature Cable
- Installation Screws