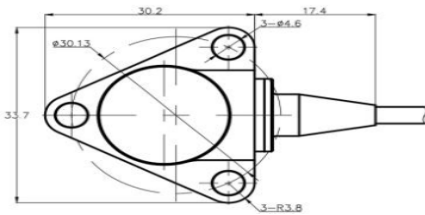
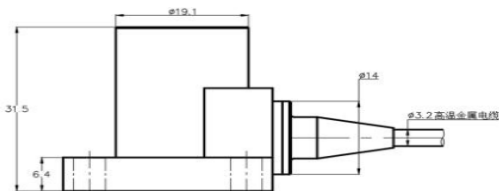


## Ultra-high Temperature Accelerometer

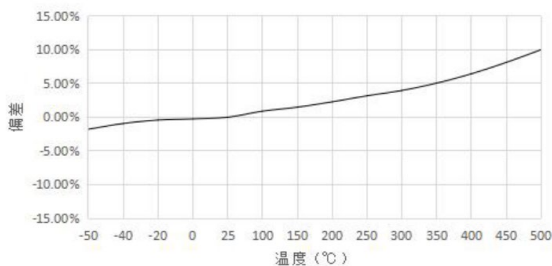
Model No: C05CT3

### Product Features:

- Designed Specifically for High-Temperature Testing Environments
- Maximum Operating Temperature Reaches 500°C, with Ultra-Low Sensitivity Temperature Coefficient
- Special High-Temperature Resistant Metal Housing, Special High-Temperature Resistant Piezoelectric Material, Low Temperature Drift
- Triangular Mounting for Stable and Reliable Installation, Quick and Easy Setup
- Special Dual-Core Cable, Differential Signal Output for Reduced Interference



灵敏度温度响应



### Product Factory Configuration:

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

### Technical specifications

Features	Units	C05CT3
Sensitivity	pC/g	50
Measuring Range	g	±300
Frequency Response ±5%	Hz	10-2.5k
Frequency Response ±10%	Hz	1-4.5k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥16

### Environmental

Shock Limit <sup>1</sup>	g pk	1000
Maximum Vibration <sup>2</sup>	g rms	500
Sensitivity Temperature Coefficient	%/°C	0.023
Operating Temperature	°C	-50~500
Sealing Type	IP68	Laser welding

### Electrical Parameters

Output Type	Differential	
Element Capacitance	pF	650
Element Insulation Resistance	25°C Ω	≥1×10 <sup>9</sup>
Element Insulation Resistance	500°C Ω	≥1×10 <sup>7</sup>

### Structure

Sensitive Element	High-Temperature Piezoelectric Ceramic
Sensitive Element	Nickel-Based Alloy
Sealing Type	Laser welding IP68
Output Connector	Φ3.2 High-Temperature Integrated
Installation Type	Φ4.6Through Holex3
Insulation Resistance to Ground	Ω ≥1×10 <sup>8</sup>

### Mass

Mass	g	105
Recommended Installation Torque	N·m	1.6

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