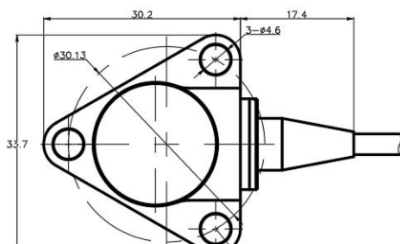
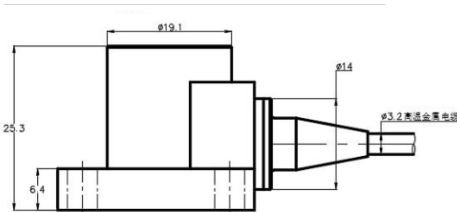


Ultra-high Temperature Differential Charge Output Accelerometer

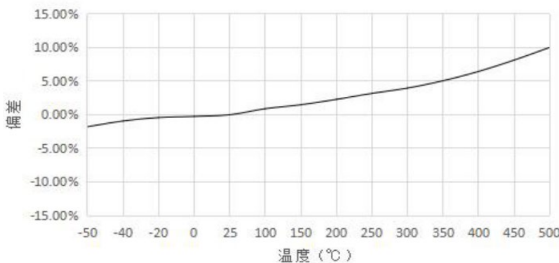
Model No: C05BT3

Product Features:

- Designed Specifically for High-Temperature Testing Environments
- Maximum operating temperature reaches 500°C, with an ultra-low sensitivity temperature coefficient
- Special heat-resistant metal casing and special heat-resistant piezoelectric materials, ensuring low temperature drift
- Triangular Mounting for Stability and Quick Installation
- Special Twin-Core Cable with 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

Technical specifications

Features	Units	C05BT3
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

Base strain	g/ε	0.003
Shock Limit ¹	g pk	1000
Maximum Vibration ²	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 ⁹
Element Insulation Resistance	500°C Ω	≥1×10 ⁷

Structure

Sensitive Element	High-Temperature Piezoelectric Ceramic
Sensitive Element	Nickel-Based Alloy
Sealing Type	Laser welding IP68
Output Connector	7/16-27 twin-core
Installation Type	M4x3

Insulation Resistance to Ground	Ω	≥1×10 ⁸
Mass	g	110

Recommended Installation Torque N·m 1.8

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