

# PE Large Range and Shock-Type Accelerometer Sensor

Model No: C00CG7

## Product Features:

- High-Impact Test Charge Output Sensor
- Special Shear Structure Design
- Built-in Mechanical Filter
- High-Strength Integrated Cable Output with High Stability

## Technical specifications

Features	Units	C00CG7
Sensitivity	pC/g	0.05
Measuring Range	g	±100000
Frequency Response ±5%	Hz	-
Frequency Response ±10%	Hz	5-15k
Amplitude Linearity	%	≤10 (FS)
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥100

## Environmental

Base strain	g/ε	0.0008
Shock Limit <sup>1</sup>	g pk	130000
Maximum Vibration <sup>2</sup>	g rms	-
Sensitivity Temperature Coefficient	%/°C	0.08
Operating Temperature	°C	-50~160
Sealing Type	IP68	Laser welding

## Electrical Parameters

Element Capacitance	pF	350
Element Insulation Resistance	Ω	≥1×10 <sup>11</sup>

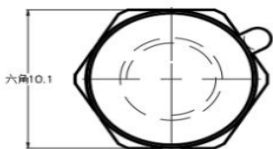
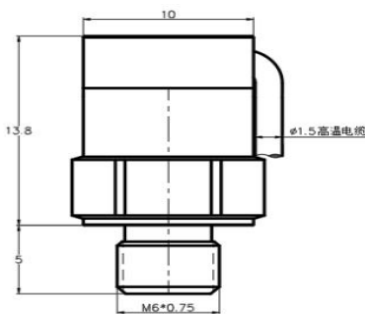
## Structure

Sensitive Element	PZ24 Piezoelectric Ceramic
Sensitive Element	Titanium Alloy
Sealing Type	Laser welding IP68
Output Connector	Flanged M5
Installation Type	M6×0.75

Insulation Resistance to Ground	Ω	≥1×10 <sup>8</sup>
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<b>Mass</b>	g	5
Recommended Installation Torque	N·m	3.5

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