

IEPE Triaxial impact acceleration sensor

Model No: B00Y49

Product Features:

- Selection of more integrated micro-small built-in integrated circuits.
- Titanium alloy housing, three-axis cubic design, small size and light weight.
More suitable for structural modal measurements
- All series use memory alloy fasteners, shear structure, stable and reliable,
good frequency response characteristics. Good Frequency Response Characteristics
- ● 3 x M5 connector output



Technical specifications

Features	Units	B00Y49
Sensitivity	mV/g	2
Measuring Range	g	±2500
Frequency Response ±5%	Hz	
Frequency Response ±10%	Hz	5-10k
Amplitude Linearity	%	≤1
Transverse Sensitivity	%	≤5
Mounting Resonant Frequency	kHz	≥70
Time constant	s	≤0.5
Resolution ratio	grms	0.005

Environmental

Shock Limit ¹	g pk	8000
Maximum Vibration ²	g rms	4000
Sensitivity Temperature Coefficient	%/°C	-0.070
Operating Temperature	°C	-50~120
Base Strain	g/ε	0.001

Electrical Parameters

Supply constant voltage	VDC	20-30
Supply constant current	mA	2-20
Full scale voltage	V	±5
Maximum overrange output	V	±6
DC bias	V	8-12
Output impedance	Ω	≤100

Structure

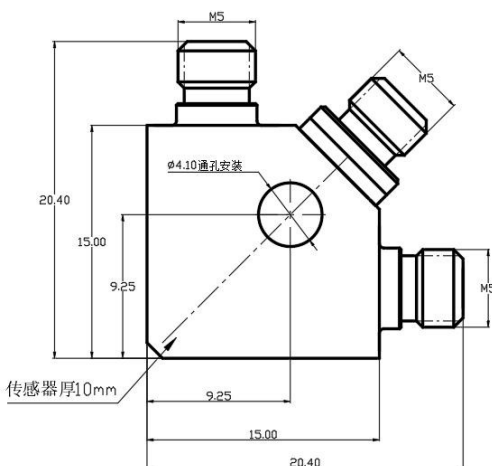
Sensitive Element	PZ34 Piezo-ceramic
Housing Material	Titanium alloy
Sealing Type	Laser welding IP68
Output Connector	M5×3
Installation Type	4.1 Through-hole/M5

Insulation Resistance to Ground Ω -

Mass g 8.5

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 1 meter cable mounting screws
- insulated mounting set