

IEPE Universal Test Accelerometer

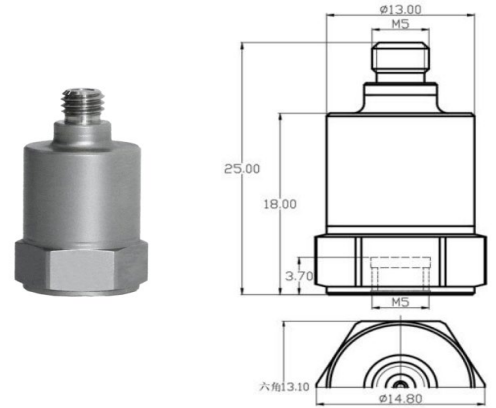
Model No:682G88

Product Features

- Universal IEPE-type voltage output accelerometer
- Low-impedance voltage signal output with strong anti-interference capability, ideal for long-distance signal transmission
- All models adopt memory alloy fasteners with shear structure, ensuring high stability and reliability
- Standardized full-series models, with multiple output types and measuring ranges available for customization
- Top-mounted M5 connector output

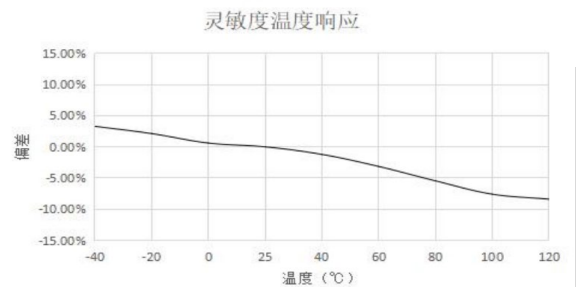
Core Technical Specifications

Parameter	Unit	Value	682G88
Sensitivity	mV/g	10	
Measuring Range	g	±500	
Frequency Response (±5%)	Hz	2-10k	
Frequency Response (±10%)	Hz	1.2-12k	
Amplitude Linearity	%	≤1	
Transverse Sensitivity	%	≤5	
Mounting Resonant Frequency	kHz	≥48	
Time Constant	s	≤1	
Resolution	grms	0.001	
Environmental Parameters			
Base Strain Sensitivity	g/με	0.005	
Shock Limit	g pk	5500	
Maximum Vibration	g rms	2200	
Sensitivity Temperature Coefficient	%/	-0.1	
Operating Temperature		-40~120	



Electrical Parameters

Parameter	Unit	Value
Constant Supply Voltage	VDC	20-30
Constant Supply Current	mA	2-20
Full Scale Output (FSO) Voltage	V	±5
Maximum Overrange Output Voltage	V	±6
DC Bias Voltage	V	8-12
Output Impedance	Ω	≤100



Mechanical Structure Parameters

Parameter	Unit	Value
Sensitive Element	-	PZT-5 Piezoelectric Ceramic
Housing Material	-	Stainless Steel
Sealing Type	-	Laser welding IP68
Output Connector	-	Top M5
Installation Type	-	M5
Insulation Resistance to Ground	Ω	— (Not Specified)
Mass	g	12
Recommended Installation Torque	N·m	3.0

Product Factory Configuration

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

Important Notes

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