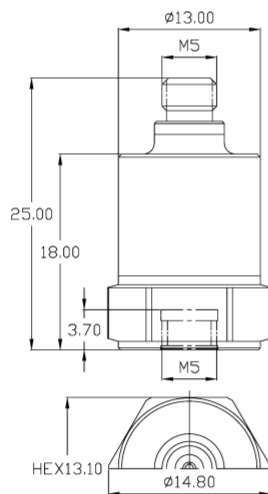


Universal Testing Type Accelerometer

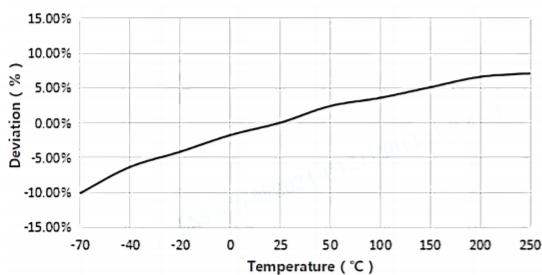
DETAILS

CXXA6X series charge acceleration sensor, using piezoelectric ceramic shear structure, with wide band frequency response, low sensitivity temperature response characteristics, high quality piezoelectric ceramics with long-term stability can ensure many years of accurate measurement of the use of temperature -70 °C ~ 250 °C. The housing is made of stainless steel laser welded with extremely high sealing grade and strength, with M5 mounting threads at the bottom.

Fig_1 Dimensions of CXXA60



Fig_2 Typical Temperature Response



FEATURES

- Standard series with multiple range options
- Shear structure
- Broadband response

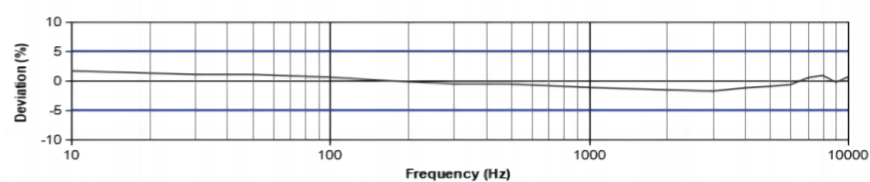
TYPICAL APPLICATIONS

- Environmental Stress Screening (ESS)
- Vibration Control
- Generalized High Temperature Vibration Monitoring



CXXA60

Fig_3 Typical Frequency Response



Specifications-CXXA60

MODEL NUMBER		UNIT	C01A60	C02A60	C04A60
PERFORMANCE					
Sensitivity ¹		pC/g	5	10	30
		pC/(m/s²)	0.5	1	3
Measurement Range		g	±6000	±5000	±1500
Non-Linearity ³		%	1		
Frequency Range	± 5%	Hz	0.5-15k	0.5-10k	0.5-7k
	±10%		0.3-16k	0.3-11k	0.3-9k
Resonance Frequency ²		Hz	≥48k	≥50k	≥50k
Discharge Time Constant ²		s	-		
Transverse Sensitivity		%	≤5		
ELECTRICAL					
Capacitance		PF	1200	1250	1300
Resistance		Ω	≥1×10 ¹¹	≥1×10 ¹¹	≥1×10 ¹¹
Electrical Isolation		Ω	-	-	-
ENVIRONMENTAL					
Sinusoidal Vibration Limit ⁴		g	8000	6500	3000
Shock Limit ⁴		g	8000	6500	3500
Temperature Range		°C	-70~250		
		°F	-94~482		
Temperature Response ²		%/°C	0.045		
PHYSICAL					
Sealing		-	Laser welding IP68		
Sensing Element		-	Piezoelectric ceramics		
Housing Material		-	Stainless steel		
Size	mm		HEX 13.1×25	HEX 13.1×25	HEX 13.1×25
	in		HEX 0.516×0.984	HEX 0.516×0.984	HEX 0.516×0.984
Electrical Connector		-	M5 Top (Opt. 10-32)		
Mounting Thread		-	M5 (Opt. 10-32)		
Weight ²	g		14.2	15.2	17
	oz		0.501	0.536	0.600

Additional Information

Note:

1. @ 160Hz, 1g
2. Typical values
3. JBT 6822-2018 7.12.1 Vibration Testing Method
4. References the mechanical structure of the sensor not being damaged in a non powered state, rather than in a working state

CXXA60

Supplied Accessories:

- Product Verification Report
- Install Screws

OPTIONAL VERSIONS

- A: 10-32 Output Connector
- E: 10-32 Mounting Threads

COMPLIANCE WITH STANDARDS



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