

## HA3N50 Accelerometer Sensor



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## Overview

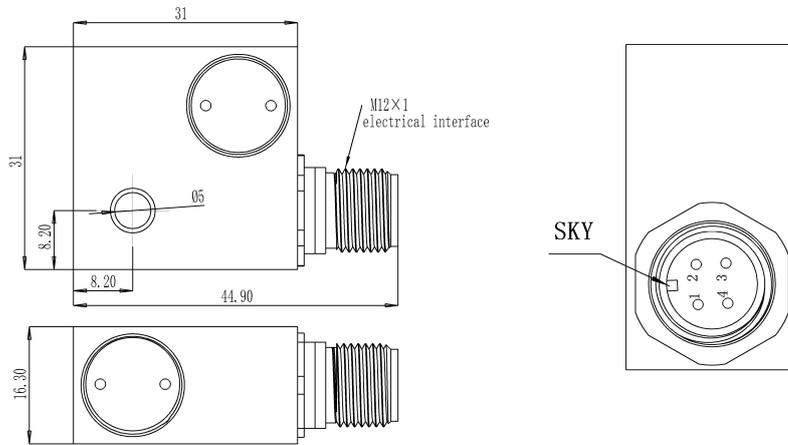
Triaxial Industrial Vibration Acceleration Transducer can measure acceleration signal of X-axis, Y-axis, Z-axis simultaneously. It can be used for structure vibration measurement of buildings, rail transit, draught fans, wind turbines, precision equipments, etc.

This product adopts stainless steel shell, laser welding for sealing, double-layer shielding(isolation) and water-proof, dust-proof, oil resistance design, very suitable for long-term and stable operation in various harsh environments in industrial field. It also has lots of good parameters such as built-in IEPE circuit, strong anti-jamming ability, float isolation and two cores low impedance voltage output.

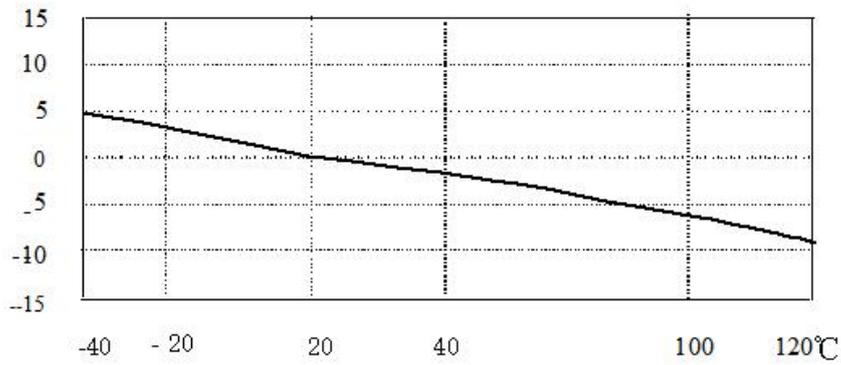
## Technical Parameters

Dynamic characteristics	units	HA3N50
measuring range (peak value)	g	±100g
Sensitivity(25℃)	mV/g	50
Frequency response(±10%)	Hz	1~5000
Transverse sensitivity rate	%	≤5
Electric property		
Driving voltage	VDC	18~28 (constant-current source)
Driving current	mA	2-10
Bias voltage	VDC	+10~+12
Output impedance	Ω	<100
Ground insulation installment	Ω	≥10 <sup>8</sup>
Environment characters		
Operation temperature	℃	-40~+120
limit of impact(peak value)	g	±1000
Physical characters		
Outline dimension		See drawing
weight	g	~180
Shell material		stainless steel
Output mode		MIL-C-5015
Installment way		M6
Sensitive element		Ceramic shear
accessory		
Erection bolt		M6 hex socket
Connection cable		D13~3 meters

**Dimension: (mm)**



**Temperature Curve**



**Electronic Wring**

Wire	Three-Wire output
Red	Power+(+3VDC)
Wire	Output(+OUT)
Green	GND