

ISen-H220

Three-axis Acceleration Sensor

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The ISen-H220 is an industrial low-frequency vibration sensor integrating both vibration and temperature measurement functions. The sensor features triaxial output and high sensitivity. It adopts metal welded sealing, internal shielding of signal ground, and isolation from the housing as lightning protection measures. The sensor provides excellent low-frequency response and strong shock resistance. It is mainly used for wind turbine blade monitoring and top-of-tower monitoring.

Technical Parameters

Model	ISen-H220	
General Information	Dimensions	90x50x23.5mm (L x W x H)
	Operating environment	-40 – 85°C
	Shock limit	2000 g
	Weight	<250 gram
	Power supply	24Vdc
	Communication interface	RS485
	IP grade	IP68
	Vibration Parameters	Vibration measuring range
Measurement error		±5%
Frequency response (3 dB)		0~3200Hz

	Noise density	120 $\mu\text{g}/\sqrt{\text{Hz}}$
	Number of axes	3 axes (x, y, z)
Temperature Parameters	Measurement temperature	-40 – 125 °C
	Measurement error	$\pm 1^\circ\text{C}$
Product Certification	CE certification	Passed
	Electromagnetic compatibility test	Passed
	Surge immunity	Passed

Dimension Drawing
