

# KH600A100 IEPE ACCELEROMETER SENSOR

KH integrative Acceleration transmitter, integrating the traditional vibration sensor and the accuracy measuring circuit together, not only achieve "sensor + transmitter" mode Acceleration measurement system function, but also achieve economic but high accuracy Acceleration measure system. The transmitter can connect directly with PLC, DCS or other systems. Mounted on the bearing cover of rotating machines, the transmitter is an ideal choice for steam turbine, compressors, motors, blower, fans, water pump etc to measure Acceleration. The transmitter can be used widely in heating and power plant, cement plant, machine plant, blower plant, paper made plant, coal mine machine etc.

## Dynamic performance

Sensitivity: 100mV/g  
Lateral sensitivity: < 3%  
Frequency range ( $\pm 3\text{dB}$ ): 0.3~ 12kHz  
Acceleration range (peak):  $\pm 50\text{g}$   
Amplitude linearity:  $\leq 2\%$

## Electrical performance

Supply voltage :18 ~ 24VDC (constant current source)  
Bias voltage : $12\pm 2\text{VDC}$   
Working current :2 ~ 10mA  
Output impedance: < 100 $\Omega$   
Noise: ~ fifty  $\mu\text{V}$   
Install insulation to ground:  $\geq 10^8\Omega$

## Environmental performance

Impact limit (peak) :3000g  
temperature response: < 5%  
Operating temperature range: - 50 ~ +120°

## Physical parameters

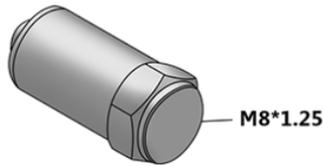
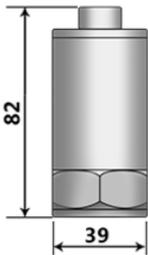
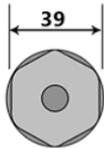
Shell material: Aviation aluminum OR 316 stainless steel  
Weight: 50g  
Installation mode: M8\*1.25  
Piezoelectric material :PZT-5  
Output mode :Two core socket

## enclosure

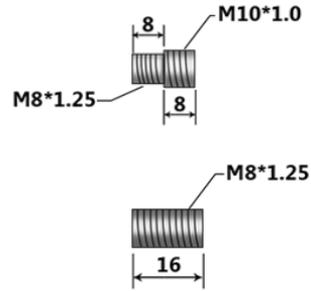
Two core cable One



Size



Default thread M8\*1.25/M10\*1.0  
(Other specifications support customization)



Unit : mm

Wiring Diagram

