HS-423 Accelerometer

4-20mA acceleration and AC acceleration output via M12 Connector

Key Features

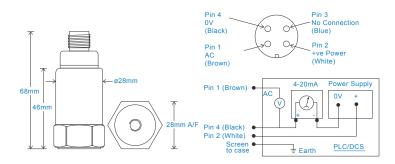
- · Unique dual output
- For use with PLC/DCS systems and data collectors
- · Customisable features

Industries

Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical



>108 Ohms at 500 Volts



Connection Details

Technical Performance

 $\begin{array}{c} \mbox{Mounted Base Resonance} & 10\mbox{kHz min} \\ \mbox{Acceleration Ranges} & \mbox{see: 'How To Order' table $\pm 10\%$} \\ \mbox{Nominal 80Hz at } 22\mbox{°C} \\ \mbox{Frequency Response} & 10\mbox{Hz (600cpm) to 5kHz (300kcpm) $\pm 5\%$} \\ \mbox{- ISO10816} \\ \mbox{Isolation} & \mbox{Base isolated} \\ \mbox{Range} & \mbox{see: 'How To Order' table} \\ \mbox{Transverse Sensitivity} & \mbox{Less than } 5\% \\ \end{array}$

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Weight 135gms (nominal)
Screened Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
Mounting Threads see: 'How To Order' table

Electrical

Case Isolation

Current Output

4-20mA DC current proportional to acceleration and AC acceleration

Bias Voltage

3 Volts DC (nominal)

Supply Voltage

15-30 Volts DC (for 4-20mA)

Settling Time

2 seconds

Output Impedance

Loop Resistance 600 Ohms max. at 24 Volts

Environmental

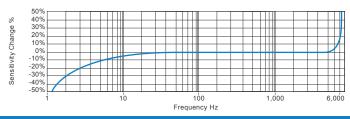
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response



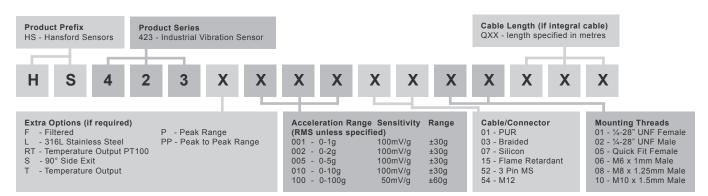
Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)



How To Order





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