HS-421 Accelerometer

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

Key Features

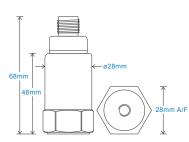
- Unique output
- For use with PLC/DCS systems and data collectors
- · Customisable features

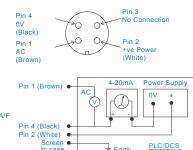
Industries

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



>108 Ohms at 500 Volts





Connection Details

Technical Performance

Mounted Base Resonance 5kHz min

Velocity Ranges see: 'How To Order' table ±10%

Nominal 80Hz at 22°C

Frequency Response 10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816

Isolation Base isolated

Range see: 'How To Order' table

Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Weight 150gms (nominal)
Screened Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
Mounting Threads see: 'How To Order' table

Electrical

Case Isolation

Outputs

4-20mA DC current proportional to
Range 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

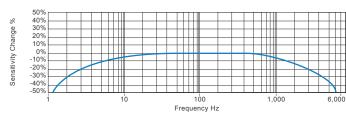
 Operating Temperature Range
 -25 to 90°C

 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

