# **HS-421 Series Vibration Sensor**

M12 Connector, Dual Output - 4-20mA and AC



### Typical Applications

Low cost online means of monitoring with the capability of interfacing direct into PLC, BMS or any 4-20mA input module.

Proven use in vibration monitoring for offline applications using commercially available data collectors.

#### Protecting...

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyers, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

#### **Technical Performance**

Mounted Base Resonance

Velocity Ranges Frequency Response

Isolation

Measurement Range Transverse Sensitivity 5 kHz min.

0-10 to 0-100 mm/sec RMS (5 ranges) 10 Hz to 1 kHz ±5 % - ISO10816

Base isolated 50 g peak Less than 5%

#### **Electrical**

Supply Voltage

**Output Current** 4-20 mA DC proportional to RMS velocity (mm/s)

> and ac g for data collectors 15 - 30 Volts DC (for 4-20 mA)

**Settling Time** 2 seconds

Output Impedance Loop Resistance 600 Ohms max. at 24 Volts

Case Isolation >108 Ohms at 500 Volts

#### **Environmental**

-25 to 80 °C Operating Temperature Range

IP67 Sealing 5000 q Maximum Shock

EN61000-6-4:2001 **Emissions Immunity** EN61000-6-2:1999

#### **Mechanical**

Stainless Steel Case Material Sensing Element/Construction PZT/Compression

8 Nm Mounting Torque

Weight Maximum Cable length

M12 - Straight or Right Angle Connector See 'How to order' table Mounting Threads

Ranges, connector, side exit cable, **Options** other cable lengths, intrinsically safe,

high temperature

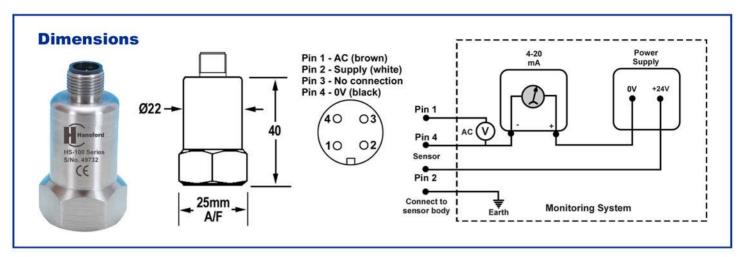
150 gms (nom)

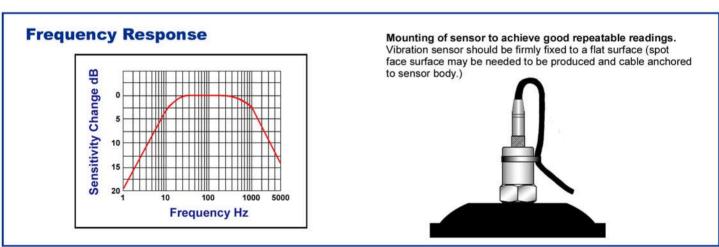
1000 metres

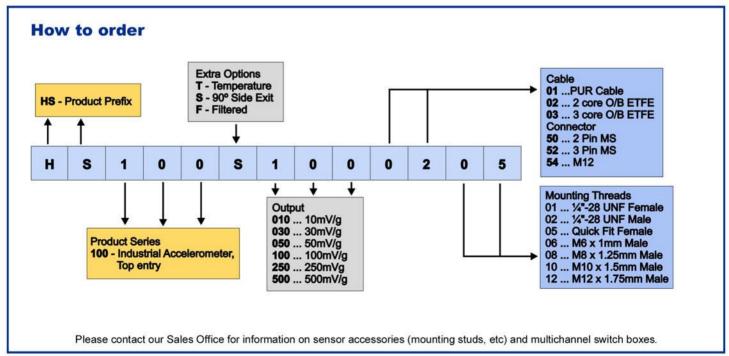


Tel: +44(0) 845 680 1957 Fax: +44(0) 845 680 1958 Email: sales@hansfordsensors.com Web: www.hansfordsensors.com

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TS030 Iss01

We reserve the right to alter the specification of this product without prior notice.

Ref: HS421M12-0107



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