## HS-422ST Accelerometer 4-20mA acceleration and temperature output via PUR Cable

## Connection Details ø5mr R15mm k⊢ -24m **Key Features** Screen to case Temperature output 0V Temp. (Blu ve Power (White) Waterproof $\bigcirc$ · Resistant to oil 0V (Bla ve Temp. (Red) \_\_\_\_\_ 64mn — 29mm —→ H Power Supply 4-20mA Red Industries 0V Building services, Pulp and Paper, 30n Blue • Mining, Metals, Utilities, Automotive, Black -White -Screen to case -Water, Pharmaceutical <mark>k</mark>—24mm — 37mm —— PLC/DCS ⊒ Earth

Technical Performance		Mechanical	
Mounted Base Resonance	10kHz min	Case Material	Stainless Steel
Acceleration Ranges	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Shear
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	10Hz (600cpm) to 5kHz (300kcpm) ± 5%	Mounting Bolt Provided	see: 'How To Order' table x 30mm long
	- ISO10816	Weight	185gms (nominal)
Isolation	Base isolated	Maximum Cable Length	1000 metres
Range	see: 'How To Order' table	Standard Cable Length	5 metres
Temperature Output 10mV/°C	C - 0-1V proportional to 0-100°C (to convert	Screened Cable	PUR - length to be specified with order
	this to 4-20mA use the HS-540 module)	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%	Submersible Depth	100 metres max. (10 bar)

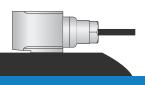
Electrical		Environmental	
Current Output	4-20mA DC proportional to acceleration	Operating Temperature Range	-25 to 90°C
Supply Voltage	15-30 Volts DC (for 4-20mA)	Sealing	IP68
Settling Time	1 second	Maximum Shock	5000g
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts	EMC	EN61326-1:2013
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts		

I ypical Freque	ency Response		
50% 40% 30% 40% 40% 40% 40% 40% 40% 40% 40% 40% 4	10 100 Frequency Hz	1,000	6,000

## 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

