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)

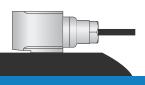
Electrical		Environmental	
Current Output	4-20mA DC proportional to acceleration	Operating Temperature Range	-25 to 90°C
Supply Voltage	15-30 Volts DC (for 4-20mA)	Sealing	IP68
Settling Time	1 second	Maximum Shock	5000g
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts	EMC	EN61326-1:2013
Case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

