

HS-420I

Intrinsically Safe, Braided Integral Cable,
4-20mA Velocity Transducer
Fully compatible with any PLC, BMS, or 4-20mA Interface

Performance

Mounted Base Resonance.....	5 kHz min.
Velocity Ranges.....	1 ips (25 mm/s) RMS $\pm 10\%$ Nominal 80 Hz at 71°F (22°C)
Frequency Response.....	10 Hz to 1 kHz $\pm 5\%$ - ISO10816
Isolation.....	Base isolated
Measurement Range.....	50 g peak
Transverse Sensitivity.....	Less than 5%

Mechanical

Case Material.....	Stainless Steel
Sensing Element/Construction.....	PZT/Compression
Mounting Torque.....	8 Nm
Weight.....	4.76 oz (135 gms) - nominal
Maximum Cable Length.....	See system drawing
Standard Cable Length.....	16 ft (5 m)
Mounting Threads.....	See 'How to order' table
Options.....	Connector, cable length, various mounts, other sensitivities

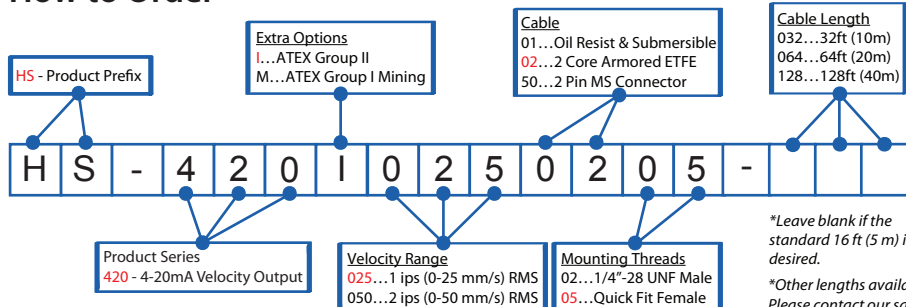
Electrical

Output Current.....	4-20 mA DC proportional to RMS velocity
Supply Voltage.....	15 - 30 Volts DC (for 4-20 mA)
Settling Time.....	2 seconds
Output Impedance.....	Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation.....	$>10^8$ Ohms at 500 Volts

Environmental

Certified Temperature Range.....	Ex ia IIC T6 -40°F (-40°C) $< T_a < +140^\circ\text{F} (60^\circ\text{C})$
Operating Temperature Range.....	-13 to 194°F (-25 to 90°C)
Sealing.....	IP65
Maximum Shock.....	5000 g
Emissions.....	EN61000-6-4:2001
Immunity.....	EN61000-6-2:1999

How to Order



*Leave blank if the standard 16 ft (5 m) is desired.
 *Other lengths available. Please contact our sales office for specific requests.



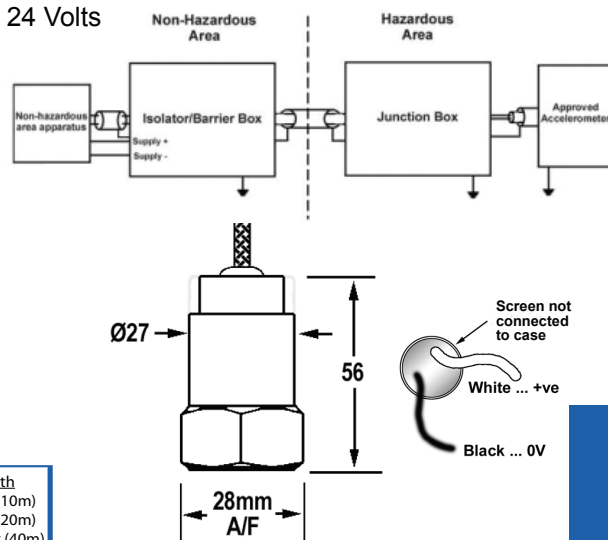
Features

Low cost on-line 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.



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