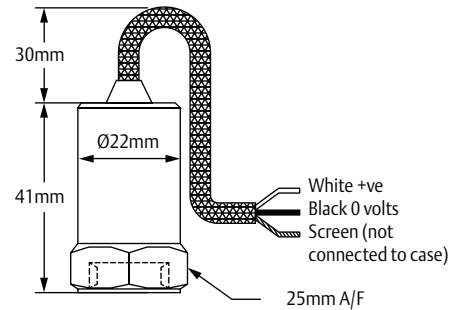


Velocity Transducer

Dynamic Performance	
Sensitivity ($\pm 5\%$)	4 mV/mm/s (101.6 mV/in/s)
Measurement Range	± 150 mm/s (± 6 in/s)
Frequency Range:	($\pm 5\%$) 5 to 1,500 Hz (300 to 90,000 cpm)
	($\pm 3\text{dB}$) 1.5 to 4,000 Hz (90 to 240,000 cpm)
Mounted Resonant Frequency	18,000 Hz Nominal
Amplitude Linearity	$\pm 2\%$
Transverse Sensitivity	$< 5\%$
Environmental	
Shock Limit	1,000g pk
Temperature Range	-25 to 140°C (-13 to 284°F)
Sealing	Welded capsule/potted cable connection
Enclosure Rating	IP67
Electrical	
Settling Time	20 ms
Excitation Voltage	18 to 30 VDC (24V Nominal)
Constant Current	0.5 to 8 mA
Output Impedance	300 ohms
Output Bias	12 VDC Nominal
Isolation	Base Isolated
Broadband Resolution (1 to 10 KHz)	300 μg Max. (Electrical Noise)
Protection	RFI/ESD



Mechanical	
Weight	110 grams (3.9 oz)-Sensor Only
Mounting Thread	¼-28 UNF
Mounting Torque	8 Nm (5.9 lb ft)
Sensor Element / Geometry	Ceramic / Compression
Case Material	Stainless Steel
Connector Type (Top)	5m (16'), 3 wire, Integral Armored Cable
	White – Signal/Power
	Black – Common
	Other – Shield Ground
Supplied Accessories	
Single Point Calibration at 100 Hz	
¼-28 Mounting Stud	

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