VS-170S Premium Accelerometer AC acceleration output via 2 Pin MS Connector

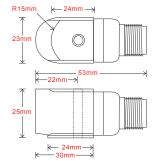
Key Features

- Compact design
- Side entry for easy access
- Premium design



Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical





Connection Details



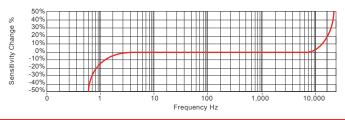
Technical	Performance
recinical	renormance

Mounted Base Resonance	see 'How To Order' table (nominal)
Sensitivity	see: 'How To Order' table ±10%
	Nominal 80Hz at 22°C
Frequency Response	2Hz (120cpm) to 14kHz (840kcpm) ± 5%
	1.5Hz (90cpm) to 16kHz (960kcpm) ± 10%
	0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Transverse Sensitivity	Less than 5%

Mechanical	
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	8Nm
Mounting Bolt Provided	see: 'How To Order' table x 30mm long
Weight	135gms (nominal)
Connector	Use booted connector only
Mounting Threads	see: 'How To Order' table

Electrical	Environmental				
Electrical Noise	0.1mg max	Operating Temperature Range			
Current Range	0.5mA to 8mA	Sealing			
Bias Voltage	10 - 12 Volts DC	Maximum Shock			
Settling Time	1 second	EMC			
Output Impedance	200 Ohms max.				
Case Isolation	>10 ⁸ Ohms at 500 Volts				

Typical Frequency Response (at 100mV/g)



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.)



-55 to 130°C IP68 5000g

EN61326-1:2013

How To Order

Product Prefix VS - IKM Instrutek	:t Series ompact Premium Industrial Vibration Sensor									Cable Length (if integral cable) QXX - length specified in metres			
V S 1	7	0	S	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered L - 316L Stainless Steel RT - Temperature Output PT S -90° Side Exit T - Temperature Output Y - 5% tolerance on sensiti		030 - 050 - 100 - 250 -	vity 10mV/g 30mV/g 50mV/g 100mV/g 250mV/g 500mV/g	Range ±800g ±250g ±160g ±80g ±32g ±16g	Resonal 30kHz 28kHz 26kHz 24kHz 22kHz 20kHz	nt Freque (1,800kc (1,680kc (1,560kc (1,440kc (1,320kc (1,200kc	:pm) :pm) :pm) :pm) :pm)	01 - Pl 02 - Br 07 - Si 08 - Fl	aided licon ame Retar Pin MS		02 - ¼ 06 - M	t ing Threa -28" UNF 6 x 1mm M 8 x 1.25m	Male ⁄Iale



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We reserve the right to alter the specification of this product without prior notice TS539.1A