

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Channels	1	1	
Input Signal(Vibration)	± 100 mV/g	± 10.2 mV/(m/s ²)	[4]
Input Signal(Temperature)	0 to 1.2 VDC	0 to 1.2 VDC	[5]
Output Signal(DC Vibration)	4 to 20 mA	4 to 20 mA	[6]
Output Signal(DC Vibration)	0 to 5 VDC	0 to 5 VDC	[3][7]
Output Signal(DC Vibration)	0 to 10 VDC	0 to 10 VDC	[3][7]
Output Signal(Temperature)	4 to 20 mA	4 to 20 mA	[5]
Output Signal(± 0.01 %)(AC Vibration)	100 mV/g	10.2 mV/(m/s ²)	[8]
Frequency Range(-3 dB)(Acceleration)	180 to 600,000 cpm	3 to 10k Hz	[9][10][11]
Frequency Range(-3 dB)(Velocity)	210 to 600,000 cpm	3.5 to 10k Hz	[9][10][11]
Frequency Range(-3 dB)(Displacement)	210 to 60,000 cpm	3.5 to 1000 Hz	[9][12][10]
Output Range(DC Acceleration)	0 to 5.00 g pk or rms	0 to 49.03 m/s ² pk or rms	[3][13][4]
Output Range(DC Acceleration)	0 to 10.00 g pk or rms	0 to 98.06 m/s ² pk or rms	[3][13][4]
Output Range(DC Acceleration)	0 to 20.00 g pk or rms	0 to 196.12 m/s ² pk or rms	[3][13][4]
Output Range(DC Velocity)	0 to 0.5 in/sec pk or rms	0 to 12.7 mm/s pk or rms	[3][13][4]
Output Range(DC Velocity)	0 to 1.00 in/sec pk or rms	0 to 25.4 mm/s pk or rms	[3][13][4]
Output Range(DC Velocity)	0 to 2.00 in/sec pk or rms	0 to 50.8 mm/s pk or rms	[3][13][4]
Output Range(DC Displacement)	0 to 10.0 mil pk - pk	0 to 0.254 mm pk - pk	[3][13][4]
Output Range(DC Displacement)	0 to 20.0 mil pk - pk	0 to 0.508 mm pk - pk	[3][13][4]
Output Range(DC Displacement)	0 to 40.0 mil pk - pk	0 to 1.02 mm pk - pk	[3][13][4]
Environmental			
Temperature Range(Operating)	-13 to 158 °F	-25 to 70 °C	
Temperature Range(Storage)	-40 to 257 °F	-40 to 125 °C	
Humidity Range(Non-Condensing)	0 to 95 %	0 to 95 %	
Electrical			
Power Required	DC Power	DC Power	
DC Power	23 to 25 VDC	23 to 25 VDC	
DC Power(maximum)	100 mA	100 mA	
Settling Time	<2 min	<2 min	
Excitation Voltage(delivered to sensor)	17 to 19 VDC	17 to 19 VDC	[1][2]
Constant Current Excitation(delivered to sensor)	3 to 5 mA	3 to 5 mA	[1][2]
Output Span(± 5.0 %)(DC Vibration Current Output)	16 mA	16 mA	
Output Span(± 5.0 %)(Temperature Output)	16 mA	16 mA	
Output Span(± 5.0 %)(DC Vibration Voltage Output)	5 or 10 VDC	5 or 10 VDC	[3]
Physical			
Electrical Connector(input/output)	Removable Screw Terminals	Removable Screw Terminals	
Electrical Connector(raw vibration output)	BNC Jack	BNC Jack	
Housing Material	Polyamide	Polyamide	
Size (Height x Width x Depth)	3.9 in x 0.9 in x 4.5 in	99 mm x 22.5 mm x 114.5 mm	
Weight(Maximum)	6.4 oz	127	
Screw Terminal Wire Size	24-14 AWG	24-14 AWG	
Din Rail Mount	1.38 in	35 mm	
Status Indicator(Power "on")	Green LED	Green LED	
Status Indicator(Input Fault)	Red LED	Red LED	
Status Indicator(Measurement Mode - Acceleration)	Green LED	Green LED	
Status Indicator(Measurement Mode - Velocity)	Green LED	Green LED	
Status Indicator(Measurement Mode - Displacement)	Green LED	Green LED	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

- NOTES:**
- [1] Jumper selectable for 18 VDC regulated, 24 VDC power supply voltage or ICP® sensor excitation disabled
 - [2] 4 mA constant current diode is internal to 9330VT
 - [3] Internal Dip switch selectable
 - [4] Output measurement range is based upon input from 100 mV/g ICP® accelerometer and will be scaled inversely proportional to any percentage deviation of this input.
 - [5] Requires use of accelerometer with "TO" temperature output option.
 - [6] Output current voltage will fluctuate at frequencies below 5 Hz.
 - [7] Factory set, 0-5 VDC.
 - [8] Achieved with 100 mV/g ICP® accelerometer input.
 - [9] Attenuation is -40 dB/decade.
 - [10] The low frequency tolerance is accurate within ± 0.5 Hz of the specified frequency.
 - [11] The high frequency tolerance is accurate within ± 0.5 kHz of the specified frequency.
 - [12] Maximum 1,000 Hz for displacement.
 - [13] Factory set, 0.5 in/sec rms.
 - [14] See PCB Declaration of Conformance PS152 for details.

Entered: LK	Engineer: gs	Sales: MC	Approved: BAM	Spec Number:
Date: 6/30/2017	Date: 6/30/2017	Date: 6/30/2017	Date: 6/30/2017	67464



All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.
 ICP® is a registered trademark of PCB Group, Inc.



Phone: 800-959-4464
Fax: 716-684-3823
E-Mail: imi@pcb.com