Model Number 682C03	ICP® VIBRATION TRANSMITTER							ision: NR I #: 46949	
Performance	ENGLISH	<u>SI</u>		OPTIONAL VERSION			DNS		
Channels	1	1					sories as listed for th		
nput Signal(Vibration)	± 100 mV/g	± 10.2 mV/(m/s ²)	[4]	ex	cept where noted b	elow. More than on	e option may be used	d.	
nput 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]	NOTEO					
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]	NOTES: [1] Jumper selectable for 18 VDC regulated, 24 VDC power supply voltage or ICP® sensor excitation disabled					
Output Range(DC Velocity)		0 to 12.7 mm/s pk or rms		[2] 4 mA constant current diode is internal to 9330VT					
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]	 [3] Internal Dip switch selectable [4] Output measurement range is based upon input from 100 mV/g ICP® accelerometer and 					
Dutput Range(DC Velocity)	rms	0 to 50.8 mm/s pk or rms		[5] Requires use	of accelerometer v	nal to any percenta vith "TO" temperatu ate at frequencies b		iput.	
Dutput Range(DC Displacement)	0 to 10.0 mil pk - pk	0 to 0.254 mm pk - pk	[3][13][4]	[6] Output currer[7] Factory set, 0		ate at frequencies b			
Dutput Range(DC Displacement)	0 to 20.0 mil pk - pk	0 to 0.508 mm pk - pk	[3][13][4]			ccelerometer input.			
Dutput Range(DC Displacement) Environmental	0 to 40.0 mil pk - pk	0 to 1.02 mm pk - pk	[3][13][4]	[9] Attenuation is	-40 dB/decade.		Hz of the specified f	requency.	
Temperature Range(Operating)	-13 to 158 °F	-25 to 70 °C					5 kHz of the specified	frequency.	
Temperature Range(Storage)	-40 to 257 °F	-40 to 125 °C			00 Hz for displacer	ment.			
Iumidity Range(Non-Condensing) Electrical	0 to 95 %	0 to 95 %		[13] Factory set, 0 [14] See PCB Dee		nance PS152 for de	tails.		
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	[4][0]						
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]						
Dutput Span(± 5.0 %)(DC Vibration Current Output)	16 mA	16 mA							
Dutput Span(± 5.0 %)(Temperature Output)	16 mA	16 mA	[3]						
Dutput Span(± 5.0 %)(DC Vibration Voltage Output)	5 or 10 VDC	5 or 10 VDC	[9]						
Physical	Removable Screw	Removable Screw							
Electrical Connector(input/output)	Terminals	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							
Veight(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			1		-	1	
Status Indicator(Measurement Mode - Displacement)	Green LED	Green LED		Entered: LK	Engineer: gs	Sales: MC	Approved: BAM	Spec Numb	
<i>[[</i>				Date: 6/30/2017	Date: 6/30/2017	Date: 6/30/2017	Date: 6/30/2017	67464	
All specifications are at room temperature unless othen the interest of constant product improvement, we re		specifications without not	ice.	SIMIS	ENSORS		Phone: 800-959 Fax: 716-684-3		

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