

Vibration Monitoring System - 4 Channel (VMS-4s)

HARDWARE SPECIFICATIONS

Mounting

Vibration sensor is mounted on bearing (surface where vibration is required) and connected to VMS-4S. Output of VMS-4S communicates with software on RS-485. In case of more than one machine RS-485 loop can be done.

VMS-4S

No. of channels	4
Input type	Accelerometer 100mV/g Velocity Sensor 100mV/in/sec
Display	2 digit 0.56" RED LED 4 digit 0.56" RED LED for data
Various range	
Velocity	0-25 mm/sec, 0-50 mm/sec (factory selectable)
Displacement	0 - 100 microns 0 - 500 microns 0 - 1000 microns (factory selectable)
Acceleration	0- 2g 0 - 5g 0 -10g
Accuracy	+/- 5 % of span.

HARDWARE SPECIFICATIONS

Retransmission O/p	4 - 20 mA DC
Relay O/p	2A@230 VAC with NO/C/NC
Isolation	250 V for channel to channel 1.5kv for Analog inputs & Communication PORTS
Communication Communication Protocol	Rs485/ RS 232 serial communication MODBUS (RTU-Slave)
Baud rate	9600,14400,19200, 28800,38400
Supply Voltage	90V to 260 VAC, 50 Hz
Power Consumption	<20 VA
Environmental condition	
Operating Temperature range	(0 to 55 °C)
Operating Humidity	40 to 95 % RH
Physical	
Case	MS powder coated with ABS Molded bezel
Bezel size	96 X 192 mm
Panel Cutout	92 X 188 mm

SELECTION GUIDE VMS-4S

Range CH1	Range CH2	Range CH3	Range CH4	Relay Output	Retransmission	RS-485 Communication
1 = 0-25 mm/sec	1 = 0-25 mm/sec	1 = 0-25 mm/sec	1 = 0-25 mm/sec	Y=Yes	Y=Yes	Y=Yes
2 = 0-50 mm/sec	2 = 0-50 mm/sec	2 = 0-50 mm/sec	2 = 0-50 mm/sec	N=No	N=No	N=No
3 = 0-100 microns	3 = 0-100 microns	3 = 0-100 microns	3 = 0-100 microns			
4 = 0-500 microns	4 = 0-500 microns	4 = 0-500 microns	4 = 0-500 microns			
5 = 0-1000 microns	5 = 0-1000 microns	5 = 0-1000 microns	5 = 0-1000 microns			
6 = 0-2g	6 = 0-2g	6 = 0-2g	6 = 0-2g			
7 = 0-5g	7 = 0-5g	7 = 0-5g	7 = 0-5g			
8 = 0-10g	8 = 0-10g	8 = 0-10g	8 = 0-10g			
9 = Disable	9 = Disable	9 = Disable	9 = Disable			

Example: VMS 4S 1372YNY

ORDERING CODE CABLES

Model	Con. Type	Cable type	Protection	Length in mtr.	Molding
CBL	X	X	X	XX	X
	S Straight	S Standard	U Unarmored	03	Y Yes
	R Right angle	T Teflon	A Armored	05	N No
				10	
				20	
				30	