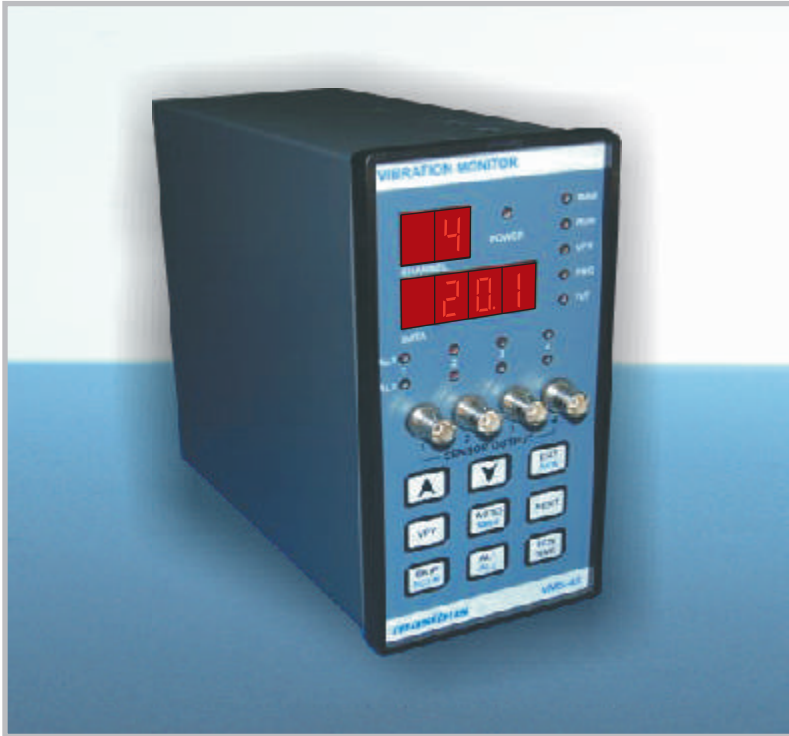


Vibration Monitoring System - 4 Channel (VMS-4S)

VMS-4S



VMS-Four channels system is good to monitor few equipment in section. It gives overall vibration values and alarm in case of abnormal vibration with vision to provide cost effective and performance oriented solution.

Masibus is supplier of quality vibration monitoring system. VMS-4S is available with four channels. Various features and ranges are available to select right type of monitoring.

VMS-4S is important tool for plan wide predictive maintenance. It takes up online vibration and provides data through software. Vibration is displayed and alarm can be generated. Once alarm is generated further analysis can be done using buffered output. It provides opportunity to pin point the problem.

Masibus VM-4S, consist of vibration sensor as input and provide 4-20mA output. It continuously monitors the vibration of all the equipments. Data is offered in terms of r.m.s. R.M.S. detection is best for general machine health monitoring, when overall vibration is measured.

Masibus products are convenient to use and easy to install in industrial environments with proven track record of more than 30 years.

Features

- *Online Vibration monitoring*
- *Micro controller based*
- *230V AC power supply*
- *4 channels monitoring*
- *RS-485/ 232 Output for communication (Modbus)*
- *Buffer Output*
- *Parameter: Displacement, Velocity, Acceleration*

masibus
Advanced Automation - Sure Solutions

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

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 for channel 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
Physical Case	MS powder coated with ABS molded bezel
Bezel size	96 X 192 mm
Panel cutout	92 X 188 mm

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	RS485/232 serial communication
Communication Protocol	MODBUS (RTU-Slave)
Baud rate	9600,14400,19200, 28800,38400
Supply Voltage	90V to 260VAC, 50Hz
Power Consumption	< 20VA

Environmental condition

Operating Temperature range	0 to 55 degree centigrade
Operating Humidity	40 to 95% RH

SELECTION GUIDE VMS-4S

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

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	

90

All specifications are subject to change without notice due technology reasons.
Doc.ref.CB-2/VMS-4S/R1/0110