



General Purpose Industrial Monitor

Features

- Versatile acceleration, velocity, displacement or temperature monitor
- Interface with accelerometer, proximity probe or "J" type thermocouple
- Two programmable alarm levels with delay on make/break relays
- 4-20 mA fully scalable output for interface with PLC, DCS, alarm and SCADA systems
- RMS (standard) or peak readings
- Small NEMA 4, 1/8 DIN package
- High/low pass filters available
- Adjustable sampling time
- Signal output: raw, filtered, rep. DC value

Applications

- Any application where immediate display of machine PdM data or 4-20 mA output is required

Operating Specifications

Dynamic

Accuracy ±5%	Acceleration	3 Hz - 2 kHz
	Velocity	3 Hz - 2 kHz
	Displacement	6 Hz - 2 kHz
Optional Filtering		
	High Pass:	3, 5, 10, 20, 50, 100, 200, 500, 5k Hz
	Low Pass:	none, 50, 70, 100, 200, 500, 1k, 2k Hz
Accelerometer Input, mV/g		100 (standard) 10 or 500

Electrical

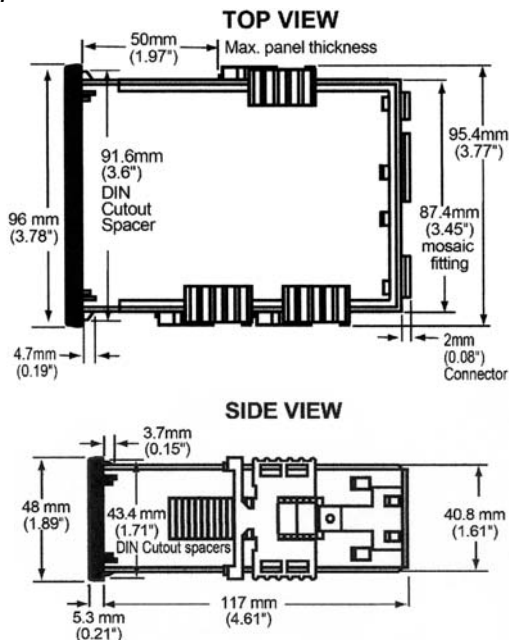
Power Requirements, Auto-sensing AC-DC	
85-265 VAC, 95-370 VDC (standard)	
15-48 VAC, 10-72 VDC	
Relays	(2) Form C

Environmental

Operating Temperature Range	32°F to 140°F / 0°C to 60°C
Acceleration Limit	20 g
Velocity Limit	20 ips
Displacement Limit	200 mils
Temperature Limit	1400°F / 760°C

Physical

Display	.56 inch bright red LED
Weight	6.5 ounces / 184 grams
Front Panel	NEMA 4
Connectors	MSTB



Ordering Info **VM500** **Vibra-Metrics Part Number:** X-XXX-X-HPXXXX-LPXXXX-X

Type

A - Acceleration
V - Velocity
D - Displacement
F - Temperature, F
C - Temperature, C

Accelerometer Input

010 - 10 mV/g
100 - 100 mV/g*
500 - 500 mV/g

Mode

R - RMS*
P - Peak

High Pass Filtering

0003 - 3 Hz*
0005 - 5 Hz
0010 - 10 Hz
0020 - 20 Hz
0050 - 50 Hz
0100 - 100 Hz
0200 - 200 Hz
0500 - 500 Hz
2000 - 2000 Hz

Low Pass Filtering

0000 - None
0050 - 50 Hz
0070 - 70 Hz
0100 - 100 Hz
0200 - 200 Hz
0500 - 500 Hz
1000 - 1000 Hz
2000 - 2000 Hz*
5000 - 5000 Hz

Power Supply

1 - 85-265 VAC, 95-370 DCV*
2 - 15-48 VAC, 10-72 VDC

* Standard

For more information about **Vibra-Metrics Products**, call us today at **609-716-4130**, or visit us on-line at **www.vibrametrics.com**



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