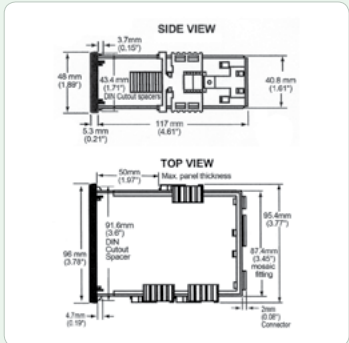


Model VM500

Display Monitor for Acceleration, Velocity, Displacement or Temperature



DESCRIPTION AND FEATURES

The Model VM500 display monitor offers incredible versatility and functionality in a small 1/8 DIN package, for an attractive price.

It provides fully scalable 4-20 mA output for your control system, and also includes two form C relays for a variety of uses. The Model VM500 is available in displacement, velocity, acceleration and even temperature models for 10, 100, and 500 mV/g accelerometers and "J" type thermocouples.

Some options include RMS or Peak display, as well as a wide range of high pass and low pass filters to focus on frequencies of interest.

- 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
- 4-20mA Scalable Output Interfacing w/PLC/DCS/ Alarm/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 4-20mA output is required.

OPERATING SPECIFICATIONS

Dynamic

Accuracy ± 5%
 Acceleration Standard Configuration 3 Hz - 15 kHz
 Velocity Standard Configuration 3 Hz - 2 kHz
 Displacement Standard Configuration 3 Hz - 2 kHz
 High Pass Optional Filtering 3, 10, 50, 100, 500 Hz
 Low Pass Optional Filtering None, 50, 100, 500, 1k, 2k Hz
 Accelerometer Input 100 (standard) 10 or 500 mV/g

Electrical

Power Requirements, Auto-Sensing AC/DC 85-265 VAC (50-60 Hz), v95-370 VDC (standard), 15-48 VAC, 10-72 VDC
 Relays (2) Form C

Environmental

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

Physical

Display 0.56 inch Bright Red LED
 Weight 6.5 oz / 184 grams
 Front Panel NEMA-4
 Connectors MSTB

ORDERING INFORMATION AND ACCESSORIES

VM500 X-XXX-X-HPXXXX-LPXXXX-X
 1 2 3 4 5 6

Standard Configurations

(1) VM500A (2) VM500V (3) VM500D

Standard configurations can be ordered with simply the one letter suffix and not the entire part number.

[1] Type

A-Acceleration (1)
 V-Velocity (2)
 D-Displacement (3)
 F-Temperature in °F
 C-Temperature in °C

[4] High Pass Filtering

0003-3 Hz (1)(2)(3)
 0010-10 Hz
 0050-50 Hz
 0100-100 Hz
 0500-500 Hz

[2] Accelerometer Input

010-10 mV/g
 100-100 mV/g(1)(2)(3)
 500-500 mV/g

[5] Low Pass Filtering

0000-None Hz (1)
 0050-50 Hz
 0100-100 Hz
 0500-500 Hz
 1000-1 kHz
 2000-2 kHz (2)(3)

[3] Mode

R-RMS (1)(2)
 P-Peak (3)

[6] Power Supply

1 - 85265 VAC, 95-370 DCV
 (1)(2)(3)
 2 - 15-48 VAC, 10-72 VDC



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