VM 4040-10 RACK BASED VMS CONTROLLER

Signal Outputs & Fault Display

- Analogue 4-20 mA output each channel
- Raw signal buffer outputs 2 numbers each channel (Optional)
- 1 no. phasor output each phasor sensor (Optional)
- Sensor wire break or signal break display on modules & HMI
- Power Supply status display

Features

- Microprocessor based digital vibration monitoring system
- Vibration monitoring system in a 19” rack API-670 compliant
- Redundant and hot swappable functionality for all types of modules
- Communication with DCS and HMI via Ethernet 4-20 mA and 02 relay outputs per channel.
- Common configuration port for all modules

Application

- Fan, Motor, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearbox, Rolls, Dryers,Prosses, Cooling, VAC, Spindles, Machines Tooling, Process Equipment.
- Vibration Sensors should be firmly fixed to a flat surfaces

Environmental

- Operating Temperature Range - 30ºC …. + 65ºC
- Relative humidity max. 95 %, non-condensing

Technical Performances

- API 670
- Measuring Range: Velocity 0 - 100 mm/Sec.
- Measuring Accuracy: ±1%
- Working Frequency range: 2 Hz. to 10 kHz. ±5%
- Microprocessor based
- Panel mounting
- Max. 40 channels.
- Real time measurement of Two dynamic channels
- (acceleration / velocity)
- 0/4-20 mA, Working resistance ≤500Ω

Software

Analysis software with following feature:

- Data Acquisition from vibration measuring sensors, like Accelerometers, proximity probes, velocity sensors.
- Live Waveform data display
- Possibility of using multiple channels of sensors simultaneously.
- Input for sensor sensitivity data to get proper engineering units
- Live FFT display in the Frequency range (Optional)
- Interactive and user friendly UI for easy usage.

Main Power Supply:

- Power supply 240 V/110 V AC ± 10%, 50 Hz
- Optional 24 VDC redundant

Dimensions

- 19" Rack Mounting
- Length 430 mm x Depth 360 mm x Height 222 mm
  (Note: Height changes with some additional configurations)

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