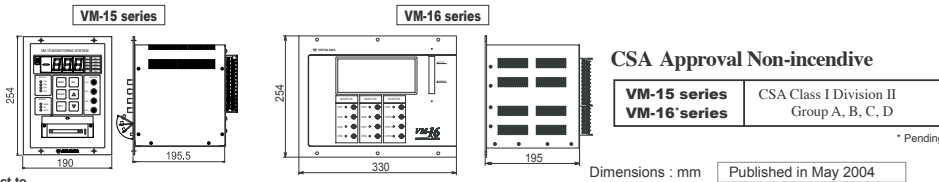


# Shinkawa - Monitor de Vibração Série VM16

## Specifications

Model	VM-15K	VM-15U	VM-15B	<b>NEW</b> VM-16
Measurement item	Displacement Vibration	Velocity Vibration	Acceleration Vibration	Displacement Vibration, Velocity Vibration Acceleration Vibration, Thrust Position Temperature
Number of channels	4 ch			Max. 12 ch
Measurement Range	100 to 300 $\mu\text{m}$ pk-pk or 5 to 10 mils pk-pk	When Displacement Range : 100 to 300 $\mu\text{m}$ pk-pk or 5 to 10 mils pk-pk When Velocity Range : 25 to 50 mm/s pk or 1 to 2 in/s	When Velocity Range : 25 to 50 mm/s pk or 1 to 2 in/s When Acceleration Range : 20 to 50 mm/s <sup>2</sup> pk or 2 to 5 G pk	Displacement Vibration : 100 to 300 $\mu\text{m}$ pk-pk or 5 to 10 mils pk-pk Velocity Vibration : 25 to 50 mm/s pk or 1 to 2 in/s Acceleration Vibration : 20 to 50 mm/s <sup>2</sup> pk or 2 to 5 G pk Thrust position : -1 to 0 to +1 mm or -40 to 0 to +40 mils Temperature : 0 to 300 deg. C or 0 to 500 deg. F
Input transducer	Displacement Transducer	Velocity Transducer	Acceleration Transducer	Displacement Transducer Velocity Transducer Acceleration Transducer J,K,T type or RTD type
Frequency response	5 Hz to 4 kHz (-3dB) 2-pole band pass filter	10 Hz to 10 kHz (-3dB) 2-pole band pass filter		Disp. Vibration : 5 Hz to 4 kHz (-3dB), 2nd-Order band-pass Filter Vel. Vibration : 10 Hz to 10 kHz (-3dB), 2nd-Order band-pass Filter Acc. Vibration : 10 Hz to 10 kHz (-3dB), 2nd-Order band-pass Filter Thrust Position : DC to 0.5 Hz (-3dB), 1st-Order low-pass Filter
Recorder output	4 to 20 mA DC (Max. Load Resistance : 600 $\Omega$ ) or 1 to 5 VDC (Output Impedance : 250 $\Omega$ )			
Monitor output	Buffered output of input signal (from BNC connector)			Input signal is output via buffer amplifier. Output Impedance : Approx. 1k $\Omega$ (Max. 0.5mA)
Alarm setting	0 to 100 % of measurement range, 1 Danger and 1 Alert setting for each channel.			Vibration monitoring 2 points (DANGER, ALERT), from 0 to 100 % of measurement range Thrust position or Temperature monitoring 4 points (H-DANGER, H-ALERT, L-ALERT, L-DANGER), from 0 to 100 % of measurement range
Alarm contact output	One each contact output for Danger, Alert and OK (OR logic of all channels)			3 each contact output for Danger, Alert and OK
Display	3-digit of 7-segment LED display			LCD display
I/O conversion accuracy	+/- 1.5% of F.S. at 100 Hz at 25 deg.C +/- 3.0% of F.S. at 100 Hz 0 to 50 deg.C			Vibration or Thrust position: +/- 2.0% of F.S. at 100 Hz at 25 deg.C, +/- 3.0% of F.S. at 100 Hz 0 to 50 deg.C Temperature : +/- 1 deg. C at 25 deg. C, +/- 2.0 deg. C at 50 deg. C
Temperature	Operating temperature : 0 to 50 deg.C (32 to 122 deg.F) / Relative humidity : 20 to 90%RH (non condensing)			
Power supply voltage	85 to 264 VAC (50/60Hz)			85 to 264 VAC (50/60Hz) or 24VDC (10%)
Weight	Approx. 3.5 kg			Approx. 7.0 kg

## Outline Drawing



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\* Specifications, outline drawings and other written information can be changed without notice.



