

## VIBRATION METER

## NAGMAN 297

## SALIENT FEATURES

LCD display measurement result and conditions directly  
 Measures acceleration (m/s<sup>2</sup> peak), velocity (mm/s ms), and displacement (mm p-p)  
 Selective vibration characteristic  
 Uses hi- sense of vibration sensor, measuring accurately  
 Equipped two probes (S and L) to adapt the different measurement requirement  
 Provides a magnetic probe to fit the uneasy condition hold on by hand  
 Low battery indication  
 Auto turn off function  
 LCD back light function  
 Maximum value hold function  
 Temperature unit C°/F° selection



Typical Photo: Final Product look may vary

## GENERAL SPECIFICATIONS

<b>Vibration Pickup</b>	Piezoelectric ceramic accelerometer (shear-type)
<b>Measurement Range of Acceleration</b>	0.1~199.9m/s peak
<b>Measurement Range of Velocity</b>	0.1~199.9mm/s rms
<b>Measurement Range of Displacement</b>	0.001~1.999mm p-p Velocity and displacement range is limited by acceleration 199.9m/s <sup>2</sup>
<b>Measurement Accuracy</b>	±5%±2digits
<b>Measurement Frequency Range of Acceleration</b>	10Hz~1KHz (LO) 1KHz~15KHz (HI)
<b>Measurement Frequency Range of Velocity</b>	10Hz~1KHz (LO)
<b>Measurement Frequency Range of Displacement</b>	10Hz~1KHz (LO)
<b>Displays Update Cycle</b>	1 second
<b>LCD Display</b>	3 1/2 digits display
<b>Single Output</b>	AC output 2 V peak (display full scale) Load impedance 10KΩ or more earphones can be connected
<b>Power Supply</b>	9V battery
<b>Stand-By Current</b>	≤15µA
<b>Operating Current</b>	≤25mA
<b>Battery Life</b>	20 Hrs. continuous use
<b>Auto Power-Off Function</b>	Turns off automatically after 60 seconds
<b>LCD Backlight Function</b>	7 seconds
<b>Operating Temperature Range</b>	0~40°C
<b>Operating Humidity Range</b>	30~90%RH
<b>Low Battery Indication</b>	6.4V±0.2V
<b>Dimensions</b>	72x35x145mm
<b>Weight</b>	229g (not including battery)
<b>Temperature Range</b>	-10°C~80°C
<b>Temperature Accuracy</b>	±2°C

## STANDARD INCLUSIONS

- Basic Instrument
- PP Packing Box
- Detector Handle
- Detector Probe (L) & (S) – each 1 No.
- Conformation Certificate
- Instruction Manual

## OPTIONAL

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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