

2 CHANNEL VIBRATION METER (RECORDING)

NAGMAN 296

APPLICATION

This meter measures the vibrations of the rotating and reciprocating machines, as well as bearing damage, measurement items are acceleration, speed, displacement, which can check if the machine is to be repaired or upgrade.



ELECTRICAL SPECIFICATIONS

The environmental temperature range of measurement: $23 \pm 3^\circ\text{C}$

Acceleration (RMS, PEAK, MAX HOLD) $1\text{g}=9.81\text{m/s}^2$

Typical Photo: Final Product look may vary

Range	0.5 ~ 199.9 m/s ²	0.05 ~ 20.39g	2 ~ 656 ft/s ²
Resolution	0.1 m/s ²	0.01g	1 ft/s ²
Accuracy	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz
Calibration point	50m/s ² (158Hz)	50m/s ² (158Hz)	50m/s ² (158Hz)

Velocity VEL (RMS, PEAK, MAX HOLD)

Range	0.5 ~ 199.9mm/s	0.05 ~ 19.99 cm/s	0.02 ~ 7.87 inch/s
Resolution	0.1 mm/s	0.01cm/s	0.01 inch/s
Accuracy	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz
Calibration point	50m/s (158Hz)	50m/s (158Hz)	50m/s (158Hz)

Displacement DISP (P-P, MAX HOLD P-P)

Unit	mm	Inch
Range	0.005 ~ 1.999 mm	0.002 ~ 0.078 inch
Resolution	0.001 mm	0.001 inch
Tolerance	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz	$\pm(5\% + 5d)$ @ 79.4Hz and 158Hz
Calibration point	0.141mm (158Hz)	0.141mm (158Hz)

STANDARD INCLUSIONS

- Basic Instrument
- Accelerometer 2 Nos.
- Low Noise Cable 2 Nos.
- Magnetic Base 2 Nos.
- Carrying Case
- 9V AC-DC Adapter
- USB Cable
- Handheld Probe + Round Probe + Pointed Probe
- 1.5V AA Battery 6 Nos.
- 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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