

Vibration Meter Model R7010



TECHNICAL DATA



The R7010 measures velocity, acceleration, and displacement, the R7010 offers versatile vibration analysis with a 360° rotating color display and interchangeable probes for various applications.

Features

- Measures velocity, acceleration and displacement to determine vibration level
- 360° screen rotation allows users to view measured readings from any angle
- Easy-to-read color LCD display
- Built-in LED flashlight
- Rechargeable li-ion battery
- Interchangeable short and long probes to meet application requirements
- · Low battery indication and auto-shut off
- Includes long probe, short probe, USB cable, and carrying case

Specifications

Acceleration

Measuring Range: 0.1 to 199.9mm/s

Resolution: 0.1m/s²

Accuracy: ±(5% rdg. + 2dgt)
Frequency Range: LO: 10Hz - 1kHz
HI: 1kHz - 15kHz

Velocity

Measuring Range: 0.1 to 199.9mm/s

Resolution: 0.1mm/s

Accuracy: $\pm (5\% \text{ rdg.} + 2 \text{dgt})$ Frequency Range: 10Hz - 1.5kHz

Displacement

Measuring Range: 0.001 to 1.999mm

Resolution: 0.001mm

Accuracy: $\pm (10\% \text{ rdg.} + 2\text{dgt})$

Frequency Range: 10Hz - 1kHz

General Specifications

Response Time: 1sec

Display: 2.4"TFT Color LCD

Backlit Display: Yes
Rotatable Screen: Yes
Data Hold: Yes

Auto Shut-off: Yes (after 5mins)

Low Battery Indicator: Yes

Power Supply: 1350mAh/3.7V rechargeable

Li-ion battery

Battery Life: Approx. 12 hours

Charging System: In Meter

Charge Time: Approx. 3 hours
Product Certifications: CE, UKCA, ROHS

Operating Temperature: 14 to 122°F (-10 to 50°C)
Storage Temperature: -4 to 140°F (-20 to 60°C)

Operating Humidity Range: 10-90%

Storage Temperature: -4 to 140°F (-20 to 60°C)

Operating Humidity Range: 10-90%

Dimensions: 7.1 x 2.5 x 1.1"

(180 x 64 x 28mm)

Weight: 6.7oz (191g)

Model	Description
R7010	Vibration Meter
R7010-RTIP	Replacement Vibration Probes
CA-52A	Soft Carrying Case
R9940	Hard Shell Carrying Case

