



### 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/s <sup>2</sup>
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:	±(5% rdg. + 2dgt)
Frequency Range:	10Hz - 1.5kHz

##### Displacement

Measuring Range:	0.001 to 1.999mm
Resolution:	0.001mm
Accuracy:	±(10% rdg. + 2dgt)
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
<b>R7010</b>	Vibration Meter
<b>R7010-RTIP</b>	Replacement Vibration Probes
<b>CA-52A</b>	Soft Carrying Case
<b>R9940</b>	Hard Shell Carrying Case