

Sound Level Meter Model R8050



TECHNICAL DATA





Features

- High accuracy of ±1.4 dB meets Type 2 standards
- Dual range measurement (High and Low)
- A & C frequency weighting
- Fast & Slow time weighting
- Easy-to-read backlit LCD display
- Data hold and Max hold functions
- Tripod mount for long-term monitoring
- · Low battery indicator and auto shut off
- Includes microphone windshield ball, battery and carrying case

R8050-KIT

Sound Level Meter & Calibrator Kit



Includes:
R8050 sound level meter,
R8090 sound calibrator, and
R8888 deluxe hard carrying
case with custom foam insert

Specifications

Measuring Ranges: 30-130 dB

Low: 30-100 dB High: 60-130 dB

Dynamic Range: 70 dB (in each range)

Accuracy: $\pm 1.4 \text{ dB}$ Resolution: 0.1 dB
Response Time: 500mS

Frequency Range: 31.5 Hz to 8 kHz

Frequency Weighting: A, C

Time Weighting: Fast/Slow (125ms and 1s)

Microphone: 0.5" (12.7mm) electret condenser

Display: 4-digit LCD

Backlit Display: Yes
Data Hold: Yes
Max: Yes

Alarm Indicators: Over (visual on-screen)
Auto Shut Off: Yes (after 15 mins)

Tripod Mountable: Yes Low Battery Indicator: Yes

Power Supply: 9V battery

Battery Life: Approx 50 hours

Product Certifications: CE, IEC 61672-1 Class 2,

ANSI S1.4-1983

Operating Temperature: 32 to 104°F (O to 40°C) Storage Temperature: 14 to 140°F (-10 to 60°C)

Operating Humidity: 10-90%

Dimensions: 8.3 x 2.2 x 1.3"

(210 x 55 x 32mm)

Weight: 8.1oz (230g)

Model	Description
R8050	Sound Level Meter
R8090	Sound Calibrator
SB-01	Windshield Ball
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
R8888	Deluxe Hard Carrying Case
R8050-NIST	Sound Level Meter & NIST
R8050-KIT	Sound Level Meter & Calibrator Kit