



### TECHNICAL DATA

#### Specifications

Measuring Ranges:	30 to 130 dB Low: 30 to 100 dB High: 60 to 130 dB
Dynamic Range:	70 dB (in each range)
Accuracy:	±1.4 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 (0 to 40°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity:	10 to 90%
Dimensions:	8.3 x 2.2 x 1.3" (210 x 55 x 32mm)
Weight:	8.1 oz (230g)

#### 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 Hard Carrying Case with  
custom foam insert



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