REED INSTRUMENTS

Sound Level Meter
Model R8080

TECHNICAL DATA

Max:	Yes
Alarm Indicators:	Under and Over (visual on-screen)
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Selectable Sampling Rate:	Yes (between 1s and 60s)
Internal Memory:	1mb (64,000 datapoints)
Auto Shut-off:	Yes (after 30 mins/off)
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	4 x AAA Batteries
Output:	Yes (AC/DC)
Battery Life:	Approx 50 hours
PC Connectivity:	USB
Software OS Compatibility:	Windows XP/Vista/7/8/10
Product Certifications:	CE, IEC 61672-1 Class 2, ANSI S1.4 Type 2
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:	10.4 x 2.5 x 1" (264 x 63 x 29mm)
Weight:	8.8oz (245g)

Features

- High accuracy of ±1.4 dB meets Type 2 standards
- Triple range measurement (60dB dynamic range)
- A & C frequency weighting
- Fast & Slow time weighting
- Record up to 64,000 datapoints and keep track with internal time and date stamp
- User selectable sampling rate from 1 to 60 seconds
- Large, easy-to-read backlit LCD display
- Digital analog bargraph
- Min/Max hold and auto shut off
- Tripod mount for long-term monitoring
- Low battery indicator
- Includes windshield ball, USB cable, PC software, hard carrying case and batteries

Specifications

Measuring Ranges:	30 to 130 dB
	Low: 30 to 90 dB
	Med: 50 to 110 dB
	High: 70 to 130 dB
	Full: 30 to 130 dB
Dynamic Range:	60 dB (in each range)
Accuracy:	±1.4 dB
Resolution:	Digital: 0.1 dB
Analog:	2 dB
Response Time:	Digital: 500ms
	Analog: 50ms
Frequency Range:	20Hz to 8kHz
Frequency Weighting:	A, C
Time Weighting:	Fast/Slow (125ms and 1s)
Microphone:	0.5" (12.7mm) electret condenser
Digital Analog Bargraph:	Yes (30 segment)
Display:	4-digit LCD
Backlit Display:	Yes
Min:	Yes

R8080-KIT
Sound Level Meter & Calibrator Kit

Includes:
R8080 Sound Level Meter,
R8090 Sound Calibrator, and
R8888 Hard Carrying Case with
custom foam insert

Model	Description
R8080	Sound Level Meter/Datalogger
R8090	Sound Calibrator
REED-WB	Windshield Ball
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
R8080-NIST	Sound Level Meter & NIST
R8080-KIT	Sound Level Meter & Calibrator Kit
R8080-KIT-NIST	Sound Level Meter & Calibrator Kit & NIST

REED Instruments
1-877-849-2127 | info@reedinstruments.com | www.reedinstruments.com