

Data Logging Sound Level Meter Model R8080



TECHNICAL DATA



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
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/7/8/10/11

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" $(264 \times 63 \times 29 \text{mm})$

Weight: 8.8oz (245g)

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TECHNICAL DATA

R8080-KIT

Data Logging Sound Level Meter & Calibrator Kit



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

R8080-KIT2

Data Logging Sound Meter with Tripod Kit



R8080 Data Logging Sound Level Meter and R1500 Tripod



Model	Description
R8080	Data Logging Sound Level Meter
R8090	Sound Calibrator
REED-WB	Windshield Ball
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
R8080-KIT	Data Logging Sound Level Meter & Calibrator Kit
R8080-KIT2	Data Logging Sound Meter with Tripod Kit
R8080-NIST	Data Logging Sound Level Meter & NIST
R8080-KIT-NIST	Data Logging Sound Level Meter & Calibrator Kit & NIST

