



Features

- High accuracy of ± 1.4 dB meets Type 2 standards
- Triple range measurement (50dB dynamic range)
- A & C frequency weighting
- Fast & Slow time weighting
- Real time data logger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Peak hold, Data hold and Min/Max hold
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes batteries

Model	Description
SD-4023	Data Logging Sound Level Meter
R8090	Sound Calibrator
SB-01	Windshield Ball
USB-01	USB Cable
SW-U801-WIN	Data Acquisition Software
SD-4GB	4GB SD Memory Card
AP-9VA-110V	AC Adapter
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
SD-4023-NIST	Data Logging Sound Level Meter & NIST

TECHNICAL DATA

Specifications

Measuring Ranges:

30-130 dB
Low: 30-80dB
Med: 50 -100 dB
High: 80 -130 dB
Full: 30-130 dB

Dynamic Range:

50 dB (in each range)

Accuracy:

31.5Hz ± 3.5 dB, 63 Hz ± 2.5 dB,
125 Hz ± 2.0 dB, 250 Hz ± 1.9 dB,
500 Hz ± 1.9 dB, 1 kHz ± 1.4 dB,
2 kHz ± 2.6 dB, 4 kHz ± 3.6 dB,
8 kHz ± 5.6 dB

Resolution:

0.1 dB

Response Time:

500ms

Frequency Range:

31.5 Hz to 8 kHz

Frequency Weighting:

A, C

Time Weighting:

Fast/Slow (200ms and 500ms)

Microphone:

0.5" (12.7mm) electret condenser

Display:

4-digit LCD

Backlit Display:

Yes

Data Hold:

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 (1, 2, 5, 10, 30, 60, 120,
300, 600, 1800, 3600s)

External Memory:

Yes, expandable up to 16Gb
with SD card (optional)

Auto Shut-off:

Yes (after 10 minutes/off)

Kick Stand:

Yes

Tripod Mountable:

Yes

Low Battery Indicator:

Yes

Power Supply:

6 x AA batteries
or AC Adapter (optional)

Output:

Yes (AC)

PC Connectivity:

USB Cable (optional)

Software:

SW-U801-WIN Software (optional)

Software OS Compatibility:

Windows XP / Vista / 7

Product Certifications:

CE, IEC 61672-1 Class 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:

9.7 x 2.7 x 1.8"
(245 x 68 x 45mm)

Weight:

17.3oz (489g)