

TECHNICAL DATA



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	Sound Level Meter/Data Logger
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	Sound Level Meter & NIST

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 \pm 3.5 dB, 63 Hz \pm 2.5 dB, 125 Hz \pm 2.0 dB, 250 Hz \pm 1.9 dB, 500 Hz \pm 1.9 dB, 1 kHz \pm 1.4 dB, 2 kHz \pm 2.6 dB, 4 kHz \pm 3.6 dB, 8 kHz \pm 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 mins/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:	10-90%
Dimensions:	9.7 x 2.7 x 1.8" (245 x 68 x 45mm)
Weight:	17.3oz (489g)