TECHNICAL DATA
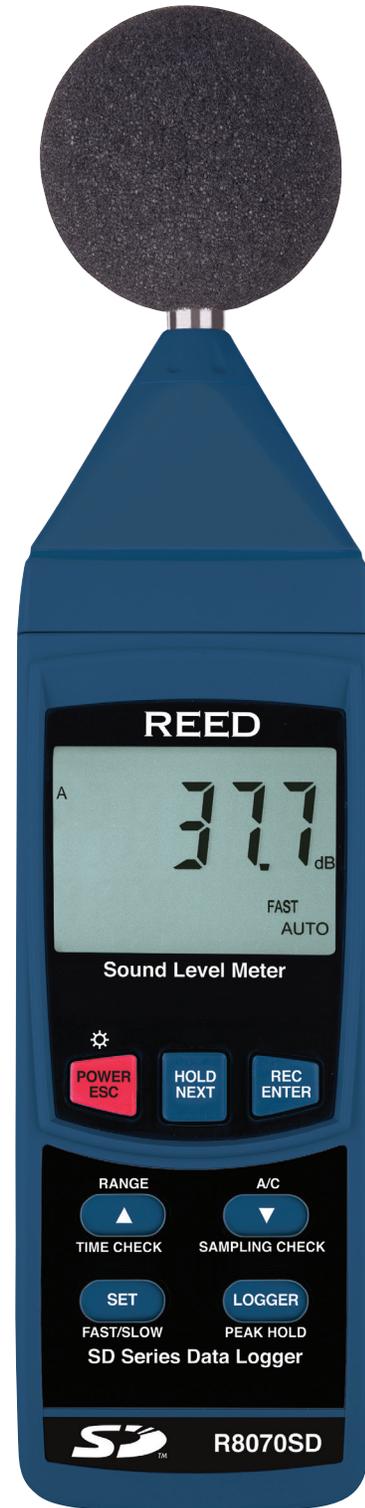
Features

- High accuracy of ±1.4dB meets Type 2 standards
- Triple range measurement (50dB dynamic range)
- A & C frequency weighting
- Fast & Slow time weighting
- Real time data logger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Peak hold, Data hold and Min/Max hold
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- The single AC output jack (3.5mm stereo mini-plug) provides analog signals to frequency analysers, level recorders, FFT analysers, graphic recorders, etc.
- Includes windshield ball, soft carrying case & batteries

Specifications

Measuring Ranges:	30 to 130dB Low: 30 to 80dB Med: 50 to 100dB High: 80 to 130dB Full: 30 to 130dB
Dynamic Range:	50dB (in each range)
Accuracy:	31.5Hz ±3.0dB, 63Hz ±2.0dB, 125Hz ±1.5dB, 250Hz ±1.5dB, 500Hz ±1.5dB, 1kHz ±1.0dB, 2kHz ±2.0dB, 4kHz ±3.0dB, 8kHz ±5.0dB
Resolution:	0.1dB
Response Time:	500ms
Frequency Range:	31.5Hz to 8kHz
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
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, 3600 seconds)

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TECHNICAL DATA

External Memory:	Yes, expandable up to 16GB with SD card (optional)
SD Card Class Compatibility:	Class 4
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)
Data Output:	Yes (RS-232)
AC Output Signal:	0.5Vrms (full scale of selected range)
AC Output Impedance:	600 ohms
AC Output Terminal:	3.5mm Stereo Jack
Battery Life:	Sampling Time Dependent
Product Certifications:	CE, IEC 61672-1-2013, Class 2
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	Less than 85% RH
Dimensions:	9.7 x 2.7 x 1.8" (245 x 68 x 45mm)
Weight:	0.7lbs (320g)

R8070SD-KIT

Data Logging Sound Level Meter with Adapter and SD Card Kit

Includes:
R8070SD Data Logging Sound Level Meter, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter

R8070SD-KIT2

Data Logging Sound Meter with Tripod, SD Card and Power Adapter

Includes:
R8070SD Data Logging Sound Level Meter, R1500 Tripod, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter

Model	Description
R8070SD	Data Logging Sound Level Meter
R8090	Sound Calibrator
REED-WB	Windshield Ball
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
R1500	Tripod
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD memory Card w/Adapter
R8070SD-KIT	Data Logging Sound Level Meter with Adapter and SD Card Kit
R8070SD-KIT2	Data Logging Sound Meter with Tripod, SD Card and Power Adapter
R8070SD-NIST	Data Logging Sound Level Meter with NIST