

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 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 ± 3.0 dB, 63Hz ± 2.0 dB, 125Hz ± 1.5 dB, 250Hz ± 1.5 dB, 500Hz ± 1.5 dB, 1kHz ± 1.0 dB, 2kHz ± 2.0 dB, 4kHz ± 3.0 dB, 8kHz ± 5.0 dB |
| 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) |

TECHNICAL DATA



Continued...

TECHNICAL DATA

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|---------------------------|--|
| 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) |
| 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 |