

## **Data Logging Sound Level Meter** Model R8070SD



#### **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)

31.5Hz ±3.0dB, 63Hz ±2.0dB, Accuracy:

125Hz ±1.5dB, 250Hz ±1.5dB, 500Hz ±1.5dB, 1kHz ±1.0dB, 2kHz ±2.OdB, 4kHz ±3.OdB,

8kHz ±5.0dB

Resolution: O.1dB Response Time: 500ms

31.5Hz to 8kHz Frequency Range:

Frequency Weighting: A, C

Time Weighting: Fast/Slow (125ms and 1s)

Microphone: 0.5" (12.7mm) electret condenser

4-digit LCD Display:

Backlit Display: Yes Data Hold: Yes Min: Yes Max:

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



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Yes, expandable up to 16GB External Memory: 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)

Yes (RS-232) Data Output: AC Output Signal: 0.5Vrms

(full scale of selected range)

AC Output Impedance: 600 ohms

AC Output Terminal: 3.5mm Stereo Jack

Sampling Time Dependent Battery Life: CE, IEC 61672-1-2013, Class 2 **Product Certifications:** 

32 to 122°F (O to 50°C) Operating Temperature: Storage Temperature: 14 to 140°F (-10 to 60°C)

Operating Humidity

Range: Less than 85% RH 9.7 x 2.7 x 1.8" Dimensions: (245 x 68 x 45mm)

0.7lbs (320g)

Weight:

#### 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



## TECHNICAL DATA





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

