

### TECHNICAL DATA



### Features

- High accuracy of  $\pm 1.4$  dB meets Type 2 standards
- Triple range measurement (60dB dynamic range)
- A & C frequency weighting
- Fast & Slow time weighting
- Record up to 64,000 datapoints and keep track with internal time and date stamp
- User selectable sampling rate from 1 to 60 seconds
- Large, easy-to-read backlit LCD display
- Digital analog bargraph
- Min/Max hold and auto shut off
- Tripod mount for long-term monitoring
- Low battery indicator
- Includes windshield ball, USB cable, PC software, hard carrying case and batteries

### Specifications

|                                    |   |
|------------------------------------|---|
| Measuring Ranges:                  | 30 to 130 dB<br>Low: 30 to 90 dB<br>Med: 50 to 110 dB<br>High: 70 to 130 dB<br>Full: 30 to 130 dB |
| Dynamic Range:                     | 60 dB (in each range)   |
| Accuracy:                          | $\pm 1.4$ dB  |
| Resolution:                        | Digital: 0.1 dB   |
| Analog:                            | 2 dB  |
| Response Time:                     | Digital: 500ms<br>Analog: 50ms  |
| Frequency Range:                   | 20Hz to 8kHz  |
| Frequency Weighting:               | A, C  |
| Time Weighting:                    | Fast/Slow (125ms and 1s)  |
| Microphone:                        | 0.5" (12.7mm) electret condenser  |
| Digital Analog Bargraph:           | Yes (30 segment)  |
| Display:                           | 4-digit LCD   |
| Backlit Display:                   | Yes   |
| Min:                               | Yes   |
| Max:                               | Yes   |
| Alarm Indicators:                  | Under and Over (visual on-screen)   |
| Datalogging Capabilities:          | Yes   |
| Real-Time Clock<br>and Date Stamp: | Yes   |
| Selectable Sampling Rate:          | Yes (between 1s and 60s)  |
| Internal Memory:                   | 1mb (64,000 datapoints)   |
| Auto Shut-off:                     | Yes (after 30 mins/off)   |
| Tripod Mountable:                  | Yes   |
| Low Battery Indicator:             | Yes   |
| Power Supply:                      | 4 x AAA Batteries   |
| Output:                            | Yes (AC/DC)   |
| Battery Life:                      | Approx 50 hours   |
| PC Connectivity:                   | USB   |
| Software OS Compatibility:         | Windows XP/Vista/7/8/10/11  |
| Product Certifications:            | CE, IEC 61672-1 Class 2,<br>ANSI S1.4 Type 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:                        | 10.4 x 2.5 x 1"<br>(264 x 63 x 29mm)  |
| Weight:                            | 8.8oz (245g)  |

*Continued...*

#### R8080-KIT

Data Logging Sound Level Meter  
& Calibrator Kit



Includes:  
R8080 Data Logging Sound Level  
Meter, R8090 Sound Calibrator,  
and R8888 Hard Carrying Case  
with custom foam insert

#### R8080-KIT2

Data Logging Sound Meter  
with Tripod Kit



Includes:  
R8080 Data Logging Sound  
Level Meter and R1500 Tripod

| Model          | Description  |
|----------------|--|
| R8080          | Data Logging Sound Level Meter                         |
| R8090          | Sound Calibrator                                       |
| REED-WB        | Windshield Ball  |
| R1500          | Lightweight Tripod                                     |
| CA-05A         | Soft Carrying Case                                     |
| R8888          | Hard Carrying Case                                     |
| R8080-KIT      | Data Logging Sound Level Meter & Calibrator Kit        |
| R8080-KIT2     | Data Logging Sound Meter with Tripod Kit               |
| R8080-NIST     | Data Logging Sound Level Meter & NIST                  |
| R8080-KIT-NIST | Data Logging Sound Level Meter & Calibrator Kit & NIST |