



This Sound Level Meter is a versatile and reliable tool for monitoring and analyzing noise levels between 30 and 130 dB. The R8075 features a high-resolution color TFT touchscreen display, user-selectable recording times, programmable alarm set points, a built-in desk stand and wall mount bracket.

### Features

- High accuracy of  $\pm 1.4$ dB meets Type 2 standards
- A & C frequency weighting
- Fast & Slow time weighting
- Digital analog bargraph
- 7" (178mm) high-resolution color TFT LCD (1024 x 600 pixels)
- User adjustable high and low alarms
- Internal 16GB memory stores data points in CSV format
- User selectable sampling rate from 1 second to 24 hours
- Internal time and date stamp
- Rechargeable Li-ion battery
- Built-in desk stand and wall mounting bracket
- Low battery indicator

### Specifications

#### Functional Specifications

|                      |                                     |
|----------------------|-------------------------------------|
| Measuring Range:     | 30-130dB                            |
| Dynamic Range:       | 50dB                                |
| Accuracy:            | $\pm 1.4$ 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)<br>electret condenser |

Digital Analog Bargraph: Yes

#### General Specifications

|                                   |                                                      |
|-----------------------------------|------------------------------------------------------|
| Display                           | 7" (178mm) high-resolution<br>color TFT              |
| Display Resolution                | 1024 x 600 pixels                                    |
| Adjustable Brightness             | Yes                                                  |
| Datalogging Capabilities          | Yes                                                  |
| Real-Time Clock and<br>Date Stamp | Yes                                                  |
| Selectable Sampling Rate          | Yes<br>(between 1 second and 24 hours)               |
| Internal Memory                   | Yes (16GB)                                           |
| Alarms                            | Yes (Low and High)                                   |
| Kick Stand                        | Yes                                                  |
| Low Battery Indicator             | Yes                                                  |
| Power Supply                      | 3000mAh rechargeable Li-ion<br>battery/power adapter |
| Battery Life                      | ~2 hours                                             |
| Charge Time                       | ~9 hours                                             |
| Product Certifications            | CE, IEC61672-1 Class 2                               |
| Operating Temperature             | 14 to 104°F (10 to 40°C)                             |
| Storage Temperature               | 14 to 104°F (10 to 40°C)                             |
| Operating Humidity Range          | 10-90%                                               |
| Dimensions                        | 7.8 x 4.6 x 1"<br>(198 x 118 x 25.7mm)               |
| Weight                            | 12.9oz (365g)                                        |

| Model      | Description                            |
|------------|----------------------------------------|
| R8075      | Sound Level Meter                      |
| REED-WB    | Windshield Ball for Sound Level Meters |
| R8075-NIST | Sound Level Meter & NIST               |