

TECHNICAL DATA



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 ± 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:	± 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) electret condenser

Digital Analog Bargraph: Yes

General Specifications

Display	7" (178mm) high-resolution color TFT
Display Resolution	1024 x 600 pixels
Adjustable Brightness	Yes
Datalogging Capabilities	Yes
Real-Time Clock and Date Stamp	Yes
Selectable Sampling Rate	Yes (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 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" (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