

### TECHNICAL DATA

#### Features

- High accuracy of  $\pm 1.5$ dB
- A & C frequency weighting
- Fast & Slow time weighting
- Easy to operate, designed for one hand operation
- Integrated display provides flexibility for use without mobile device
- Magnetic backing allows instrument to be mounted to metallic surfaces
- Data Hold function
- Low battery indicator and auto shut off
- Tripod mount for long-term monitoring

#### When used with REED Smart Series App:

- Real-time data logger
- User selectable sampling rate from 1 to 120 seconds
- Bluetooth® 5.0 provides connectivity to instruments up to 246' (75m) away
- Connect, measure and datalog up to 6 instruments, simultaneously
- Easy setup with automatic app integration for compatible REED Smart Series instruments
- Export data via Excel or PDF and create custom reports that can be emailed from mobile device
- Includes 4 x AAA batteries and windshield ball

#### Specifications

Measuring Range:	30 to 130dB
Accuracy:	$\pm 1.5$ dB (at 1kHz)
Resolution:	0.1dB
Display:	Enhanced Black Twisted Nematic (EBTN) LCD
Display Size:	1.3" (34mm)
Backlit Display:	Yes
Data Hold:	Yes
Time Weighting:	Fast/Slow (125ms and 1s)
Frequency Range:	31.5Hz to 8kHz
Refresh Rate:	Fast 0.5 times/second, Slow 1 times/second
Frequency Weighting:	A/C



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Microphone: 0.5" (12.7mm)  
electret condenser

Datalogging Capabilities: Yes (with Smart Series App)  
Real-Time Clock and Date Stamp: Yes (with Smart Series App)  
Customizable

Sampling Rate: Yes

Overrange Indicator: Yes

Auto Shut-off: Yes (adjustable)

Tripod Mountable: Yes

Magnetic Backing: Yes

Low Battery Indicator: Yes

Power Supply: 4 x AAA Batteries

Battery Life: Approx. 50 hours  
(sampling time dependent)

Connectivity: Bluetooth® 5.0

Bluetooth® Range: Up to 246' (75m)

Max # of Connected Devices: 6

Software: REED Smart Series App  
(iOS and Android)

App Supported

Languages: English, French

Product Certifications: CE, UKCA, FCC, IC ID

Maximum Operating Altitude: 6561' (2000m)

Operating Temperature: 32 to 104°F (0 to 40°C)

Storage Temperature: -4 to 140°F (-20 to 60°C)

Operating Humidity Range: 10 to 90%

Storage Humidity Range: 10 to 90%

Dimensions: 7.1 x 1.5 x 1"  
(180 x 38 x 25mm)

Weight: 3.5oz (100g)

Model	Description
<b>R1620</b>	Sound Level Meter
<b>R1620-NIST</b>	Sound Level Meter & NIST
<b>R8090</b>	Sound Level Calibrator
<b>R1300</b>	Calibration Screwdriver
<b>CA-52A</b>	Small Soft Carrying Case
<b>R8888</b>	Medium Hard Carrying Case
<b>R1500</b>	Tripod