

Sound Level Meter Model R1620



TECHNICAL DATA



Features

- High accuracy of ±1.5dB
- 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

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Specifications

Measuring Range: 30 to 130dB Accuracy: ±1.5dB (at 1kHz)

Resolution: 0.1dB

Display: Enhanced Black Twisted Nematic

(EBTN) LCD

1.3" (34mm) Display Size:

Backlit Display: Yes Data Hold: Yes

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

Frequency Range: 31.5Hz to 8kHz

Refresh Rate: Fast 0.5 times/second, Slow 1 times/second

Yes

Yes

Frequency Weighting: A/C

0.5" (12.7mm) Microphone: electret condenser

Datalogging Capabilities: Yes (with Smart Series App)

Real-Time Clock and

Date Stamp: Customizable

Sampling Rate: Overrange Indicator:

Auto Shut-off: Yes (adjustable)

Tripod Mountable: Yes

Magnetic Backing: Yes Low Battery Indicator: Power Supply:

Battery Life:

Connectivity: Bluetooth® Range:

Max # of

Connected Devices:

Software:

App Supported Languages:

Product Certifications:

Maximum

Operating Altitude:

Operating Temperature: Storage Temperature:

Operating

Humidity Range:

Storage

Humidity Range: Dimensions:

Weight:

Yes

4 x AAA Batteries Approx. 50 hours

(sampling time dependent)

Bluetooth® 5.0 Up to 246' (75m)

REED Smart Series App (iOS and Android)

English, French CE, UKCA, FCC, IC ID

6561' (2000m)

32 to 104°F (O to 40°C) -4 to 140°F (-20 to 60°C)

10 to 90%

10 to 90% 7.1 x 1.5 x 1" (180 x 38 x 25mm)

3.5oz (100g)

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Yes (with Smart Series App)



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TECHNICAL DATA

R16X0-KIT

Data Logging Bluetooth Smart Series Kit

Includes:

R1600 Vane Anemometer,

R1610 Thermo-Hygrometer,

R1620 Sound Level Meter,

R1630 Light Meter,

R1640 Thermocouple

Thermometer and R9950 Large

Soft Carrying Case



R1620-KIT

Data Logging Smart Series Sound Level Meter with Sound Level Calibrator, Precision Calibration Screwdriver and Carrying Case

Includes:

R1620 Sound Level Meter. R8090 Sound Level Calibrator. R1300 Calibration Screwdriver and CA-05A Medium Soft Carrying Case



R1620-KIT2

Data Logging Smart Series Sound Level Meter with Tripod and Carrying Case

Includes:

R1620 Sound Level Meter, R8090 Sound Level Calibrator, R1500 Tripod and CA-05A Medium Soft Carrying Case



R16X0-KIT2

Data Logging Bluetooth Smart Series Environmental Kit

Includes:

R1600 Vane Anemometer, R1620 Sound Level Meter, R1630 Light Meter and CA-05A Medium Soft Carrying Case



Model	Description
R1620	Sound Level Meter
R8090	Sound Level Calibrator
R1300	Calibration Screwdriver
CA-52A	Small Soft Carrying Case
R8888	Medium Hard Carrying Case
R1500	Tripod
R1620-KIT	Data Logging Smart Series Sound Level Meter with Sound Level Calibrator, Precision Calibration Screwdriver and Carrying Case
R1620-KIT2	Data Logging Smart Series Sound Level Meter with Tripod and Carrying Case
R16X0-KIT	Data Logging Bluetooth Smart Series Kit
R16X0-KIT2	Data Logging Bluetooth Smart Series Environmental Kit
R1620-NIST	Sound Level Meter & NIST
R1620-KIT-NIST	Data Logging Smart Series Sound Level Meter with Sound Level Calibrator, Precision Calibration Screwdriver and Carrying Case & NIST