

TECHNICAL DATA

Features

- Measures ambient temperature and humidity
- Easy to operate, designed for one hand operation
- Bendable probe shaft enables easy access to ducts
- Integrated display provides flexibility for use without mobile device
- Magnetic backing allows instrument to be mounted to metallic surfaces
- Data Hold function
- User selectable °F or °C
- 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

Specifications

Temperature

Measuring Range: -4 to 140°F (-20 to 60°C)

Accuracy: -4 to 32°F (-20 to 0°C):

±1.6°F (0.8°C)

32 to 140°F (0 to 60°C):

±1°F (0.5°C)

Resolution: 0.1°F/°C

Humidity

Measuring Range: 0 to 100% RH

Accuracy: 20 to 80% RH: ±3.5% rdg.

0 to 20% & 80 to 100% RH:

±5% rdg.

Resolution: 0.1% RH

General Specifications

Display: Multi-Line Enhanced
Black Twisted
Nematic (EBTN) LCD



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Display Size: 1.3" (34mm)
 Backlit Display: Yes
 Data Hold: Yes
 Adjustable Flex Probe: Yes (90° swivel)
 Probe Shaft Length: 3.7" (95mm)
 Probe Diameter: 0.43" (11mm)
 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: -4 to 140°F (-20 to 60°C)
 Storage Temperature: -4 to 140°F (-20 to 60°C)
 Operating Humidity Range: 10 to 90%
 Storage Humidity Range: 10 to 90%
 Dimensions: 9.4 x 1.5 x 1" (240 x 38 x 25mm)
 Weight: 3.2oz (88g)

R1610-KIT

Data Logging Smart Series Thermo-Hygrometer with Tripod and Carrying Case

Includes:
R1610 Thermo-Hygrometer,
R1500 Tripod and CA-05A
Medium Soft Carrying Case



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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



R16X0-KIT3

Data Logging Bluetooth Smart Series HVAC Kit

Includes:
R1600 Vane Anemometer,
R1610 Thermo-Hygrometer,
R1640 Thermocouple
Thermometer, R2970 Type K
Pipe Clamp Thermocouple Probe
and CA-05A Medium Soft
Carrying Case



Model	Description
R1610	Thermo-Hygrometer
R9933	Humidity Calibration Standard, 33%
R9975	Humidity Calibration Standard, 75%
R9980	Humidity Calibration Standard, 33% & 75%
CA-52A	Small Soft Carrying Case
R8888	Medium Hard Carrying Case
R1500	Tripod
R1610-KIT	Data Logging Smart Series Thermo-Hygrometer with Tripod and Carrying Case
R16X0-KIT	Data Logging Bluetooth Smart Series Kit
R16X0-KIT3	Data Logging Bluetooth Smart Series HVAC Kit
R1610-NIST	Thermo-Hygrometer & NIST