



TECHNICAL DATA

Features

- Measures air velocity (m/s, ft/min, km/h and mph), air temperature and humidity
- 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:

- Calculates air volume
- 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 protective cap



Continued...



Vane Anemometer Model R1600



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Specifications

Air Velocity (Anemometer)

Measuring Range: fpm: 118 to 4921

> m/s: 0.6 to 25 km/h: 2.1 to 90 mph: 1.3 to 55.9

fpm: \pm (40fpm +3.5%) Accuracy:

 $m/s: \pm (0.2m/s + 3.5\%)$ $km/h: \pm (0.8km/h +3.5\%)$ mph: $\pm (0.5 \text{mph} + 3.5\%)$

Resolution: fpm:1

m/s: 0.1 km/h: 0.1 mph: 0.1

Temperature

Measuring Range: -4 to 140°F (-20 to 60°C) -4 to 32°F (-20 to 0°C): Accuracy:

±1.6°F (0.8°C)

32 to 140°F (O to 60°C):

±1°F (0.5°C)

Resolution: O.1°F/°C

Humidity

Measuring Range: O to 100% RH

20 to 80% RH: ±3.5% rdg. Accuracy: 0 to 20% & 80 to 100% RH:

±5% rda.

Resolution: 0.1% RH

General Specifications

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

Display Size: 1.3" (34mm)

Backlit Display: Yes Data Hold: Yes

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)

Bluetooth® 5.0 Connectivity: Bluetooth® Range: Up to 246' (75m)

Max # of

Connected Devices:

Software: REED Smart Series App

(iOS and Android)

App Supported Languages:

Product Certifications:

Maximum

Operating Altitude: 6561' (2000m)

-4 to 122°F (-20 to 50°C) Operating Temperature: Storage Temperature: -4 to 140°F (-20 to 60°C)

Operating

Humidity Range:

Storage

Humidity Range:

Dimensions:

Weight:

10 to 90%

10 to 90% 6.9 x 1.5 x 1"

English, French

CE, UKCA, FCC, IC ID

(175 x 38 x 25mm)

3.8oz (108g)

R1600-KIT

Data Logging Smart Series Vane Anemometer with Tripod and Carrying Case

Includes:

R1600 Vane Anemometer, R1500 Tripod and CA-05A Medium Soft Carrying Case



Continued...



Vane Anemometer Model R1600



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

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



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
R1600	Vane Anemometer
CA-52A	Small Soft Carrying Case
R8888	Medium Hard Carrying Case
R1500	Tripod
R1600-KIT	Data Logging Smart Series Vane Anemometer with Tripod and Carrying Case
R16X0-KIT	Data Logging Bluetooth Smart Series Kit
R16X0-KIT2	Data Logging Bluetooth Smart Series Environmental Kit
R16X0-KIT3	Data Logging Bluetooth Smart Series HVAC Kit
R1600-NIST	Vane Anemometer & NIST