REED INSTRUMENTS

Vane Anemometer
Model **R1600**

TRACEABLE AVAILABLE! CERTIFICATION

1 YEAR WARRANTY

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…

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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
Accuracy:	fpm: ±(40fpm +3.5%)
	m/s: ±(0.2m/s +3.5%)
	km/h: ±(0.8km/h +3.5%)
	mph: ±(0.5mph +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)
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
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)
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 122°F (-20 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity Range:	10 to 90%
Storage Humidity Range:	10 to 90%
Dimensions:	6.9 x 1.5 x 1" (175 x 38 x 25mm)
Weight:	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…

TECHNICAL DATA

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

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

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