

TECHNICAL DATA



Features

- Displays 2 temperature measurements simultaneously
- 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
- 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 and 2 x beaded wire probes





Specifications TECHNICAL DATA

Measuring Range: -328 to 2501°F

(-200 to 1372°C)

>-148°F (-100°C): Accuracy:

±0.05% rdg. + 1.8°F (1°C)

<-148°F (-100°C): ± 2.7°F (1.5°C) *(Tested at 23±5°C)

O.1°F/°C Resolution:

Thermometer Type: Contact (Type-K)

Temperature Inputs:

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:

Software: REED Smart Series App

(iOS and Android)

App Supported

Languages: English, French Product Certifications: CE, UKCA, FCC, IC ID

Maximum

6561' (2000m) Operating Altitude:

Operating Temperature: 32 to 122°F (O to 50°C) 14 to 122°F (-10 to 50°C) Storage Temperature:

Operating

Humidity Range: 10 to 90% Storage Humidity Range: 10 to 90% Dimensions: 6.4 x 1.5 x 1"

(163 x 38 x 25mm)

Weight: 3.3oz (95g)

R1640-KIT

Data Logging Smart Series Thermocouple Thermometer with Tripod and Carrying Case

Includes:

R1640 Thermocouple Thermometer, R1500 Tripod and CA-05A Medium Soft

Carrying Case

REED

R1640-KIT2

Data Logging Smart Series Thermocouple Thermometer with 4 Type-K Thermocouple Probes and Carrying Case

Includes:

R1640 Thermocouple

Thermometer.

R2920 Type K Surface Probe,

R2940 Type K Air/Gas Probe, R2950 Type K Immersion Probe,

R2960 Type K Needle Tip Probe and

R8890 Large Hard Carrying Case

Continued...





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R1640-KIT3

Data Logging Smart Series Thermocouple Thermometer with 2 Oven/Freezer Thermocouple Probes

Includes:

R1640 Thermocouple Thermometer, R2980 2 Type K Air Oven/Freezer Thermocouple Probes



R16X0-KIT

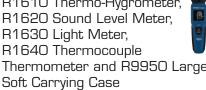
Data Logging Bluetooth Smart Series Kit

Includes:

R1600 Vane Anemometer, R1610 Thermo-Hygrometer, R1620 Sound Level Meter, R1630 Light Meter,

R1640 Thermocouple

Thermometer and R9950 Large





R16X0-KIT3

Carrying Case

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



Model	Description
R1640	Thermocouple Thermometer
R2920	Type K Surface Probe
R2930	Type K Right Angle Surface Probe
R2940	Type K Air/Gas Probe
R2950	Type K Immersion Probe
R2960	Type K Needle Tip Probe
R2970	Type K Pipe Clamp Thermocouple Probe
R2980	Type K Air Oven/Freezer Thermocouple Probe
TP-01	Type K Beaded Wire Probe
CA-52A	Small Soft Carrying Case
R8888	Medium Hard Carrying Case
R1500	Tripod
R1640-KIT	Data Logging Smart Series Thermocouple Thermometer with Tripod and Carrying Case
R1640-KIT2	Data Logging Smart Series Thermocouple Thermometer with 4 Type-K Thermocouple Probes and Carrying Case
R1640-KIT3	Data Logging Smart Series Thermocouple Thermometer with 2 Oven/Freezer Thermocouple Probes
R16X0-KIT	Data Logging Bluetooth Smart Series Kit
R16XO-KIT3	Data Logging Bluetooth Smart Series HVAC Kit
R1640-NIST	Thermocouple Thermometer & NIST