

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

Measuring Range:	-328 to 2501°F (-200 to 1372°C)
Accuracy:	>-148°F (-100°C): ±0.05% rdg. + 1.8°F (1°C) <-148°F (-100°C): ± 2.7°F (1.5°C) *(Tested at 23±5°C)
Resolution:	0.1°F/°C
Thermometer Type:	Contact (Type-K)
Temperature Inputs:	2
Display:	Multi-Line Enhanced Black Twisted Nematic (EBTN) LCD



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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:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 122°F (-10 to 50°C)
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)

Model	Description
R1640	Thermocouple Thermometer
R1640-NIST	Thermocouple Thermometer & NIST
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