REED INSTRUMENTS

Professional Infrared Thermometer

Model **R2340**

TECHNICAL DATA







Features

- Infrared thermometer with integral type K thermocouple input for contact measurement
- Built-in laser pointer identifies target area
- User-selectable °F or °C
- 55:1 Distance to Spot size ratio
- Rechargeable li-ion battery
- High resolution TFT color LCD
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- Ambient air temperature, humidity, dew point and wet bulb temperature measurement
- Surface heat conduction, dew point and temperature comparison detection modes
- Audible adjustable alarm
- Internal memory stores up to 999 datapoints
- Trigger lock for continuwous monitoring
- Low battery indication and auto shut off
- Includes USB cable, type K bead thermocouple and hard carrying case

Continued...

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Professional Infrared Thermometer

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TECHNICAL DATA

Specifications

IR Temperature

Measuring Range:	-58.0°F to 3362°F (-50°C to 1850°C)
Accuracy:	-58.0°F to 32°F (-50°C to 0°C): ± 2.0°F + 0.1°F/°F (±1.0°C + 0.1°C/°C) 32°F to 3362°F (0°C to 1850°C):±2.0°F or ±0.01 × t°F (Whichever is greater) (±1.0°C or ±0.01 × t°C (Whichever is greater))
Resolution:	0.1°F (0.1°C)

Contact Temperature (Type K)

Measuring Range:	-58.0°F to 2498°F (-50°C to 1370°C)
Accuracy:	-58.0°F to 2498°F (-50°C to 1370°C): ±0.005 × t + 3.0°F (±0.005 × t + 1.5°C)

Ambient Temperature Measurement

Measuring Range:	14°F to 122°F (-10°C to 50°C)
Accuracy:	14°F to 32°F (-10°C to 0°C): ±2.0°F (±1.0°C) 32°F to 104°F (0°C to 40°C): ±1.0°F (±0.5°C) 104°F to 122°F (40°C to 50°C): ±2.0°F (±1.0°C)
Resolution:	0.1°F (0.1°C)

Relative Humidity

Measuring Range:	10% RH to 90% RH
Accuracy:	±5% RH

General Specifications

Optical Resolution (D:S):	55:1
Spectral Response:	8 to 14µm
Emissivity:	0.1 to 1.0 (Adjustable)
Response Time:	250ms
Display Type:	2.4" TFT LCD
Display Resolution :	320 x 240 pixels
Display Hold:	Yes
High/Low Alarms:	Yes
Max/Min:	Yes
Average and Differential:	Yes
Data Storage:	Yes (Up to 999 groups)
F/C Switchable:	Yes
Trigger Lock:	Yes
Auto Shut-off:	Yes (adjustable from 1 to 30 mins)
Laser Type:	Class II
Low Battery Indicator:	Yes
PC Connectivity:	Yes
Power Supply:	3.7V 2600mAh rechargeable Li-ion battery
Battery Life:	Approx. 20 hours (Fully Charged)
Charging System:	USB-C
Charge Time:	3 hours
Product Certifications:	CE, RoHS, UKCA
Operating Temperature:	14 to 122°F (-10 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity Range:	10 to 90%
Maximum Operating Altitude:	6561' (2000m)
Maximum Storage Altitude:	39.370' (12.000m)
Dimensions:	8.07 x 4.88 x 2.56" (205 x 124 x 65mm)
Weight:	0.82lbs (375g)

Model	Description
R2340	Professional Infrared Thermometer
R8888	Medium Hard Carrying Case
R2340-NIST	Professional Infrared Thermometer & NIST

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