

### Features

- Displays up to 4 separate measurements simultaneously
- Accepts Type K, J, R, S, E, T thermocouples and RTD probes
- Temperature differential (T1-T2), Max/Min and Data Hold functions
- User selectable °C, °F
- Real-time data logger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes beaded wire probe, soft carrying case & batteries

### Specifications

Resolution:	0.1 or 1°F/°C
Type:	4-Channel Thermocouple, 2-Channel RTD
Response Time:	1x/second
Display:	Quad Display, LCD
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Differential Measurement (T1-T2):	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Selectable Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds)
External Memory:	Yes, expandable up to 16GB with SD card (optional)
Auto Shut-off:	Yes (after 10 minutes/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA Batteries or AC Adapter (optional)
Data Output:	Yes (RS-232)
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	Less than 85% RH

### TECHNICAL DATA



Dimensions:	7.0 x 2.7 x 1.8" (177 x 68 x 45mm)
Weight:	0.6lbs (268g)
Operating Temperature:	32 to 122°F (0 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:	39370' (12000m)
Dimensions:	7 x 4.98 x 2" (179 x 126.5 x 53mm)
Weight:	10.95oz (310g)

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### TECHNICAL DATA

#### R2450SD-KIT

Data Logging Thermometer with Power Adapter and SD Card

Includes:  
R2450SD Data Logging Thermometer, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



#### R2450SD-KIT4

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

Includes:  
R2450SD Data Logging 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 Hard Carrying Case



#### R2450SD-KIT2

Data Logging Thermometer with Tripod, SD Card and Power Adapter

Includes:  
R2450SD Data Logging Thermometer, R1500 Tripod, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



#### R2450SD-KIT5

Data Logging RTD Thermometer Kit

Includes:  
R2450SD Data Logging Thermometer,  
2 x R2450SD-RTD RTD Temperature Probes, RSD-16GB 16GB Micro SD Memory Card with adapter, RSD-ADP-NA AC Power Adapter



#### R2450SD-KIT3

Data Logging Thermometer with SD Card, Power Adapter and 4 Thermocouple Probes

Includes:  
R2450SD Data Logging Thermometer, RSD-16GB 16GB Micro SD Memory Card with adapter, RSD-ADP-NA AC Power Adapter and 4 x TP-01 Type K Beaded Wire Probes



#### R2450SD-KIT6

Data Logging Thermometer with 2 Oven/Freezer Thermocouple Probes

Includes:  
R2450SD Data Logging Thermometer and 2 x R2980 Type-K Air Oven/Freezer Thermocouple Probes



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### TECHNICAL DATA



Model	Description
<b>R2450SD</b>	Data Logging Thermometer
<b>R2450SD-NIST</b>	Data Logging Thermometer with NIST
<b>R2450SD-RTD</b>	PT100 Ohm RTD Temperature Probe
<b>R2920</b>	Surface Thermocouple Probe
<b>R2930</b>	Right Angle Thermocouple Probe
<b>R2940</b>	Air/Gas Thermocouple Probe
<b>R2950</b>	Immersion Thermocouple Probe
<b>R2960</b>	Needle Tip Thermocouple Probe
<b>TP-01</b>	Beaded Thermocouple
<b>R1500</b>	Tripod
<b>RSD-ADP-NA</b>	Power Supply, 110V
<b>RSD-ADP-EU</b>	Power Supply, 220V
<b>CA-05A</b>	Soft Carrying Case
<b>R8888</b>	Hard Carrying Case
<b>SD-4GB</b>	4GB Class 4 SDHC Memory Card
<b>RSD-16GB</b>	16GB Micro SD memory Card w/Adapter
<b>R2450SD-KIT</b>	Data Logging Thermometer with Power Adapter and SD Card
<b>R2450SD-KIT2</b>	Data Logging Thermometer with Tripod, SD Card and Power Adapter
<b>R2450SD-KIT3</b>	Data Logging Thermometer with SD Card, Power Adapter and 4 Thermocouple Probes
<b>R2450SD-KIT4</b>	Data Logging Thermometer with 4 Type-K Thermocouple Probes and Carrying Case
<b>R2450SD-KIT5</b>	Data Logging RTD Thermometer Kit
<b>R2450SD-KIT6</b>	Data Logging Thermometer with 2 Oven/Freezer Thermocouple Probes