

### 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,<br>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)           |
| SD Card Class Compatibility:      | Class 4                                                      |
| 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)                                    |

### TECHNICAL DATA



|                             |                                       |
|-----------------------------|---------------------------------------|
| Operating Humidity Range:   | Less than 85% RH                      |
| Dimensions:                 | 7.0 x 2.7 x 1.8"<br>(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"<br>(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

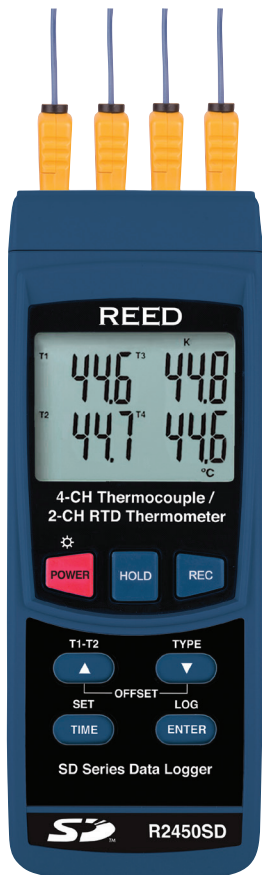
Data Logging Thermometer with 2 Oven/Freezer Thermocouple Probes

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               |