

### Features

- Measures relative humidity, ambient temperature and dew point/wet bulb temperatures
- Contact temperature measurement with a type J/K thermocouple option
- Temperature is measured in °C or °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
- Data hold and Min/Max functions
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes humidity/temperature probe, soft carrying case & batteries

### Specifications

#### Temperature

Measuring Range: 32 to 122°F (0 to 50°C)  
Accuracy: ±1.5°F (0.8°C)  
Resolution: 0.1°F/°C

#### Contact Temperature (Probe sold separately)

Measuring Range: Type K: -148 to 2372°F (-100 to 1300°C)  
Type J: -148 to 2192°F (-100 to 1200°C)  
Accuracy: ≥-58°F (-50°C) ±(0.4% + 1°F (0.5°C))  
≤-58°F (-50°C) ±(0.4% + 1.8°F (1°C))  
Resolution: 0.1°F/°C

#### Dew Point

Measuring Range: -13.5 to 120.1°F (-25.5 to 48.9°C)  
Accuracy: Sum of temp and RH accuracy  
Resolution: 0.1°F/°C

#### Wet Bulb

Measuring Range: -6.9 to 122.0°F (-21.6 to 50.0°C)  
Accuracy: Sum of temp and RH accuracy  
Resolution: 0.1°F/°C

#### Humidity

Measuring Range: 5 to 95% RH  
Accuracy: ±(3% rdg. + 1% RH): ≥70% RH  
±3% RH: < 70% RH  
Resolution: 0.1% RH

#### General Specifications

Display: Dual Display, LCD  
Backlit Display: Yes  
Data Hold: Yes  
Min: Yes  
Max: Yes

### TECHNICAL DATA





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- Datalogging Capabilities: Yes
- Real-Time Clock and Date Stamp: Yes
- 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)
- Battery Life: Sampling Time Dependent
- 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: 10 to 80%
- Dimensions: 7 x 2.7 x 1.9" (177 x 68 x 45mm)
- Weight: 1.13lb (515g)

### R6050SD-KIT

Data Logging Thermo-Hygrometer with Power Adapter and SD Card

- Includes:
- R6050SD Data Logging Thermo-Hygrometer, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



Model	Description
R6050SD	Data Logging Thermo-Hygrometer
R9933	Humidity Standard, 33%
R9975	Humidity Standard, 75%
R9980	Humidity Standard, 33% and 75%
R6050SD-PROBE	Replacement Probe for R6050SD
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
TP-01	Beaded Thermocouple
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD Memory Card w/Adapter
R6050SD-KIT	Data Logging Thermo-Hygrometer with Power Adapter and SD Card
R6050SD-NIST	Data Logging Thermo-Hygrometer with NIST