

### 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

### TECHNICAL DATA



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### TECHNICAL DATA



Max:	Yes
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)

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-NIST	Data Logging Thermo-Hygrometer with NIST