

### TECHNICAL DATA



### 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 integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes humidity/temperature probe, batteries, and carrying case

### Specifications

#### Temperature

Measuring Range: 32 to 122°F (0 to 50°C)  
 Accuracy: ±0.8°F (1.5°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: ±0.4% rdg + 1.8°F (1°C)  
 Resolution: 0.1°F/°C

#### Dew Point

Measuring Range: 13 to 120°F (-25 to 48°C)  
 Accuracy: Sum of temp and RH accuracy  
 Resolution: 0.1°F/°C

#### Wet Bulb

Measuring Range: -6 to 122°F (-21 to 50°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  
 Datalogging Capabilities: Yes  
 Real-Time Clock and Date Stamp: Yes  
 Sampling Rate: Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)  
 External Memory: Yes, expandable up to 16GB with SD card (optional)  
 Auto Shut-off: Yes (after 10 mins/off)  
 Kick Stand: Yes  
 Tripod Mountable: Yes

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### TECHNICAL DATA

Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Output:	Yes (AC)
Battery Life:	Sampling Time Dependent
PC Connectivity:	USB Cable (optional)
Software:	SW-U801-WIN Software (optional)
Software OS Compatibility:	Windows XP/Vista/7
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:	10 to 80%
Dimensions:	7 x 2.7 x 1.9" (177 x 68 x 45mm)
Weight:	1.13lb (515g)



Model	Description
<b>SD-3007</b>	Thermo-Hygrometer Datalogger
<b>R2920</b>	Surface Thermocouple Probe
<b>R2930</b>	Right Angle Thermocouple Surface 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>	Type K Thermocouple Wire Probe
<b>SD-4GB</b>	4GB SD Memory Card
<b>USB-01</b>	USB Cable
<b>SW-U801-WIN</b>	Data Acquisition Software
<b>RSD-ADP-NA</b>	AC Adapter, 110V
<b>R1500</b>	Lightweight Tripod
<b>CA-05A</b>	Soft Carrying Case
<b>SD-3007-NIST</b>	Thermo-Hygrometer Datalogger & NIST