

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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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
SD-3007	Thermo-Hygrometer Datalogger
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
TP-01	Type K Thermocouple Wire Probe
SD-4GB	4GB SD Memory Card
USB-01	USB Cable
SW-U801-WIN	Data Acquisition Software
RSD-ADP-NA	AC Adapter, 110V
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
SD-3007-NIST	Thermo-Hygrometer Datalogger & NIST