

## THERMO-HYGROMETER/ DATA LOGGER

## TECHNICAL DATA

### FEATURES

- Measures relative humidity as well as temperature with a type J/type K thermocouple thermometer
- Also measures dew point and wet bulb temperatures
- Automatic temperature compensation
- Easy to read LCD with backlight
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (OPTIONAL)
- Just plug the SD card into the computer and it downloads directly to EXCEL
- RS-232 and USB computer interface
- Auto or manual power off

### SPECIFICATIONS

**Humidity Range:** 5% to 95% RH

**Resolution:** 0.1% RH

**Accuracy:**  $\geq 70\%$  RH:  $\pm (3\% \text{ reading} + 1\% \text{ RH})$   
 $< 70\%$  RH:  $\pm 3\% \text{ RH}$

**Temperature Range:** 0 to 50°C (32 to 122°F)

**Resolution:** 0.1°C/°F

**Accuracy:**  $\pm 0.8^\circ\text{C}$  ( $\pm 1.5^\circ\text{F}$ )

**Dew Point Range:** -25.3 to 48.9°C (13.5 to 120.1°F)

**Resolution:** 0.1°C/°F

**Wet Bulb Range:** -21.6 to 50.0°C (-6.9 to 122.0°F)

**Resolution:** 0.1°C/°F

**Type K Temp. Range:** -100.0 to 1300.0°C (-148.0 to 2372°F)

**Resolution:** 0.1°C/°F

**Accuracy:**  $\pm(0.4\% + 0.5^\circ\text{C}/+1^\circ\text{F})$

**Type J Temp. Range:** -100.0 to 1200.0°C (-148.0 to 2192°F)

**Resolution:** 0.1°C/°F

**Accuracy:**  $\pm(0.4\% + 0.5^\circ\text{C}/+1^\circ\text{F})$

**Power Supply:** 6 x 1.5V UM3/AA batteries

**Dimensions:** 177 x 68 x 45mm (7.0 x 2.7 x 1.9")

**Weight:** 515g (1.13 lb)



### ORDERING INFORMATION

SD-3007 ..... Thermo-Hygrometer/Data Logger  
TP-01 ..... Type K Thermocouple Wire Probe  
SD-2GB ..... 2GB SD Memory Card  
USB-01 ..... USB Cable  
CA-05A ..... Soft Carrying Case  
SW-U801-WIN ..... Data Acquisition Software  
BS-6 ..... Tripod  
AP-9VA-110V ..... AC adapter  
CERTITH1 ..... NIST Calibration Certificate  
SD-3007-NIST ..... Thermo-Hygrometer & NIST