

## LIGHT METER/ DATA LOGGER

## TECHNICAL DATA

### FEATURES

- Measures ambient light levels as well as temperature with a type J/type K thermocouple thermometer
- Sensor features photo diode and colour correction filters and meets C.I.E. spectrum specifications
- Easy to read LCD with backlight
- Light levels are measured in foot-candles or lux
- Temperature is measured in °C or °F
- Data hold and Max/Min record
- Real time data logger with integral 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

**Measuring Range:** 2,000, 20,000, 100,000 lux;  
200, 2,000, 10,000 Ft-cd  
**Resolution:** 1, 10, 100 lux; 0.1, 1, 10 Ft-cd  
**Accuracy:**  $\pm(4\% + 2 \text{ dgt})$   
**Type K Temp. Range:** -100.0 to 1300°C (-148.0 to 2372.0°F)  
**Resolution:** 0.1°C (0.1°F)  
**Accuracy:**  $\pm(0.4\% + 0.5^\circ\text{C} (1.0^\circ\text{F}))$   
**Type J Temp. Range:** -100.0 to 1200°C (-148.0 to 2192.0°F)  
**Resolution:** 0.1°C (0.1°F)  
**Accuracy:**  $\pm(0.4\% + 0.5^\circ\text{C} (1.0^\circ\text{F}))$   
**Auto Sampling Time:** 1, 2, 5, 10, 30, 60, 120, 300, 600,  
1800, 3600 seconds  
**Data Output:** USB/RS232 PC computer interface  
**AC Output:** 0.5 Vrms corresponding to each range step  
**Output Impedance:** 600Ω  
**Power Supply:** 6 x 1.5V UM3/AA batteries  
**Dimensions:** 117 x 68 x 45mm (7 x 2.7 x 1.9")  
**Weight:** 489g (1.08 lb)



### ORDERING INFORMATION

SD-1128..... Light Meter/Data Logger  
TP-01 ..... Type K Thermocouple Wire Probe  
USB-01 .....USB Cable  
SW-U801-WIN..... Data Acquisition Software  
CA-05A..... Soft Carrying Case  
BS-6..... Tripod  
AP-9VA-110V ..... AC Adapter  
CERTILM1 ..... NIST Calibration Certificate  
SD-1128-NIST ..... Light Meter & NIST