

TECHNICAL DATA



Features

- Measures ambient light levels in Foot Candles or Lux
- Photo diode and colour correction filters meet C.I.E. spectrum specifications
- 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 detachable sensor, sensor cover, and batteries

Specifications

Measuring Ranges:

Lux: 2,000, 20,000, 100,000
Fc: 200, 2,000, 10,000

Type K: -148.0 to 2372.0°F
(-100.0 to 1300°C)

Type J: -148.0 to 2192.0°F
(-100.0 to 1200°C)

Accuracy:

Lux: $\pm(4\% + 2 \text{ dgt})$
Fc: $<2,000: \pm(4\% \text{ rdg.} + 2 \text{ dgt})$
2,000-10,000: $\pm(4\% \text{ rdg.} + 20 \text{ dgt})$
Temp: $\pm(0.4\% + 1.0^\circ\text{C} [0.5^\circ\text{F}])$

Resolution:

Lux: 1, 10, 100
Fc: 0.1, 1, 10
Temp: 0.1°F (0.1°C)

Response Time:

<1 sec.

Sensor Type:

Photo diode
& color correction filter

Autoranging:

Yes

Display:

5-digit LCD

Backlit Display:

Yes

Data Hold:

Yes

Min:

Yes

Max:

Yes

Auto Zero:

Yes

Overrange Indicator:

Yes

Continued...

TECHNICAL DATA



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
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 (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:	10-80%
Dimensions:	7 x 2.7 x 1.9" (117 x 68 x 45mm)
Weight:	17.3oz (489g)

Model	Description
SD-1128	Light Meter/Datalogger
R8100SD-PROBE	Replacement Probe for SD-1128
TP-01	Type K Thermocouple Wire Probe
SD-4GB	4GB SD Memory Card
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
AP-9VA-110V	AC Adapter
USB-01	USB Cable
SW-U801-WIN	Data Acquisition Software
R1500	Lightweight Tripod
CA-05A	Soft Carrying Case
SD-1128-NIST	Light Meter / Datalogger & NIST