

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: ±(4% + 2 dgt) Fc: <2,000: ±(4% rdg.+ 2 dgt) 2,000-10,000: ±(4% rdg.+ 20 dgt) Temp: ±(0.4% + 1.0°C (0.5°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

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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
TP-01	Type K Thermocouple Wire Probe
SD-4GB	4GB SD Memory Card
LS-103	Air/Gas Thermocouple Probe
LS-104	Right Angle Thermocouple Surface Probe
LS-107	Immersion Thermocouple Probe
LS-109	Surface Thermocouple Probe
LS-134A	Needle Tip Thermocouple Probe
LS-139	Spring Loaded Surface 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