



SpectroSense2 Light Meter - SKL 904

The SpectroSense2 meters have been designed specifically for recording accurate light and radiation measurements, even at very low light levels. They are compatible with Skye's own extensive range of sensors plus those from other manufacturers.

The 4 line LCD display presents readings from up to 4 sensors or channels simultaneously by freezing the display and scrolling as necessary. These measurements can be either direct sensor measurements or ratios between pairs of sensor channels, e.g. for comparing light levels inside : outside; above canopy : below canopy; above surface : underwater; incident : reflected etc.

Sensors are easily interchanged and the meter's memory has storage for up to 16 calibration factors. Connected to several multi-spectral sensors, the SpectroSense2 meter is ideal for use as a low cost mini spectroradiometer.

Integration of light measurement over time is also available, e.g. to give daily values of MJ/day solar energy, plus automatic datalogging of all channels. Free software is included to download the SpectroSense2+ memory to a PC. Datafiles are simple ASCII format for direct use with Excel, Word etc.

The range of Skye sensors for use with the SpectroSense2 meter include PAR, red/far-red, total solar radiation, lux, UV and also custom wavelength to order. Please ask for details.



Multichannel meters for Light Sensors

4 channel SpectroSense Display Meter

Compatible with Skye light sensors and sensors from other manufacturers

4 line display for up to sensors simultaneously

SPECTROSENSE2+ SPECIFICATIONS

Operating Range:

-20°C to +70°C, 0-100% Relative Humidity

Construction:

Black ABS, Sealed to IP54

Display:

20 x 4 line, alphanumeric liquid crystal display

Keypad:

Membrane keypad. Audible key press, 8 keys

Power:

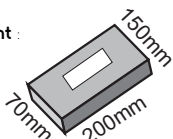
Internal 9 volt PP3/MN1064/6LF22 battery. External 12VDC power supply via RS232 socket, from solar power, mains transformer or vehicle

Battery Life:

40-50 hours in display mode, up to 300 hours in log mode

Dimensions/ Weight :

700g



Input Ranges:

Current ranges - +/-20nA to +/-2mA
Voltage ranges - +/- 2mV +/- 2V

Memory:

Sensor library for 16 calibration factors. Non volatile EEPROM Memory, no data loss if power fails. Over 2000 readings of 8 inputs stored with date and time

Connections:

Binder Sub-miniature, 5 or 8 pin for sensors, 8 pin for PC connection

Modes:

- A) 4 sensor / channel display
- B) 2 or 4 ratios display
- C) Integration Display
- D) Set up mode
- E) Fl 'favourite' display
- F) Download to PC
- G) Log Mode
- H) Memory Functions

Sensor Inputs:

Choose 4 inputs from Current & Voltage

Resolution/ Accuracy:

Resolution Minimum 16 but 1 part in 65536. Accuracy typically 0.008% at 20°C for mid ranges

ORDERING INFORMATION

Meters

SKL 904/4 - SpectroSense2 4 Channel Display meter

Light sensors

SKP 210/SS2 - PAR 'Special' sensor
SKP 215/SS2 - PAR 'Quantum' sensor
SKE 510/SS2 - PAR Energy sensor

SKR 1800/SS2 - 2 channel sensor
SKR 1850/SS2 - 4 channel sensor

SKS 1110/SS2 - Pyranometer sensor

SKL 310/SS2 - Photometric or LUX sensor

SKU 420/SS2 - UVA Sensor
SKU 430/SS2 - UVB Sensor

SKR110/SS2 - Red/ Far Red Sensor

Accessories

SKL910 - Hand-held pole

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