



# SKL 908 SpectroSense2+

Skye Instruments are specialist manufacturers of light and radiation sensors since 1983. The SpectroSense2 hand-held meter is a new addition to the range for use with several single sensors or with 2 and 4 channel sensors. SpectroSense2+ is an 8-channel meter with a 4 line display for 8 light sensors or wavebands simultaneously. Readings can be displayed as individual measurements or as ratios between pairs of wavebands, e.g. Red /NIR. A direct readout of NDVI is also available.

The meter features automatic datalogging and a solar radiation integration function as MJ/day solar energy. New for 2008 is the option of recording the measurement position using user defined labels or actual latitude and longitude via a GPS receiver. The 'Hold' button allows the user to freeze the display for easy viewing of all real time measurements. The meter's memory has storage for up to 16 calibration factors for straightforward interchange of sensors as required. Free software is included to download the SpectroSense2+ memory to a PC. Datafiles are simple ASCII format for direct use with spreadsheets such as Excel. The range of Skye sensors for use with the SpectroSense2+ meter include PAR, red/far-red, total solar radiation, lux, UV and custom wavelength sensors. We are able to supply calibrated sensors to match most satellite wavebands.



Logging display meter for visible and NIR light sensors

Incident & reflected light measurements

Matched to satellite wavebands

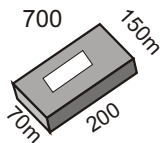
Direct readout of NDVI

Ideal for ground truth measurements

## SpectroSense2+ Specifications

Operating Range: -20°C to +70°C

Dimensions/ Weight :



Construction: Black ABS, Sealed to Ip54

Display: 20 x 4 line, alphanumeric liquid crystal display

Keypad: Membrane keypad. Audible key press, 12 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

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

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

Clock: Real time clock powered by internal lithium battery ability to synchronise readings between several SpectroSense2+ meters.  
Will keep time without the main batteries.

Logging Intervals: 1, 2, 5, 10, 20, 30 seconds  
1, 2, 5, 10, 20, 30 minutes  
1, 2 hours  
Intervals >10s will be averages of 10s readings

Modes: A) 4 or 8 sensor / channel display F) Download to PC  
B) 2 or 4 ratios display G) Log Mode  
C) Integration Display H) Memory Functions  
D) Set up mode  
E) F1 'favourite' display

Sensor Inputs: 8 Channel Version: Choose 8 inputs from up to 8 x current, or up to 4 x Voltage or a mix of each.  
4 Channel Version: Choose 4 inputs from up to 4 current, or up to 4 Voltage or a mix of each.

## ORDERING INFORMATION

### Meters-

SKL 908 - SpectroSense2+ 8 Channel Logging Display meter

SKL 908/4 - SpectroSense2+ 4 Channel Logging 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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