



SKL 906 & 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. You can also have the option of recording the measurement position using user defined labels or actual latitude and longitude via a GPS receiver (SKL 920 or SKL 925 meter option)

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 also 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

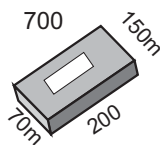
Direct readout of NDVI and other Vegetation Indices

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
B) 2 or 4 ratios display
C) Integration Display
D) Set up mode
E) FI 'favourite' display
F) Download to PC
G) Log Mode
H) Memory Functions

Sensor Inputs: 8 Channel Version: Choose 8 inputs from up to 8x 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 906 - 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
SKU 420/SS2 - UVA Sensor
SKU 430/SS2 - UVB Sensor
SKR110/SS2 - Red/ Far Red Sensor

Accessories:

SKL910 - Handheld pole

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