

# LIGHT

## SpectroSense2

- **4 or 8 channel meter for light sensors**
- **For 1-channel, 2-channel or 4-channel sensor types**
- **Displays readings from 4 sensors or channels simultaneously**
- **Displays sensor ratios for NDVI calculations**
- **Hold, storage and logging functions**
- **Ideal for ground truth measurements**

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 a 4-channel meter which displays from 4 sensors or channels simultaneously. These can be either direct sensor readings or ratios between pairs of sensor channels, e.g. for incident / reflected ratios for NDVI calculations. Integration of light

measurement over time is also available, e.g. to give daily values of MJ/day solar energy

The 'Hold' button allows the user to freeze the display for easy viewing of all 4 real time measurements. The meter's memory has storage for up to 16 calibration factors for straightforward interchange of sensors as required.

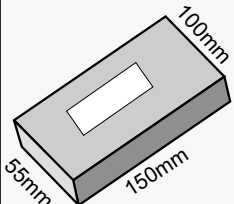
SpectroSense2+ is an 8-channel meter with all the functions of the SpectroSense2, but includes an automatic logging function and

more complex NDVI calculations. 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 custom wavelength sensors. Please ask for details.



# SPECIFICATIONS

Operating range	Construction	Dimensions	Weight	Connections
-20°C to +70°C 0-100% RH	Black ABS, sealed to IP54		Approximately 700g	Binder Sub-miniature, 5 or 8 pin for sensors. 8 pin for PC connection on logging version only
Power	Battery life	Resolution/Accuracy	Input Ranges	Memory
1 x miniature 9 volt/ MN1604/ 6LF22	40 hours	Resolution Minimum 16 bit 1 part in 65536  Accuracy Typically 0.008% at 20°C for mid range	Current Ranges $\pm 20.0\text{nA}$ to $\pm 200\text{ A}$  Voltage ranges $\pm 2\text{mV}$ $\pm 2\text{v}$	Storage for 16 calibration factors. Data protected in absence of main batteries <b>Logging version only</b> 1 Mb storage for recorded data Instrument calibration & sensor setup in EEPROM non-volatile memory
Display	Clock	Keypad	Modes	Sensor inputs
20x4 line, alphanumeric liquid crystal display	<b>Logging version only</b>  Real time clock powered by internal lithium battery, ability to synchronise readings between several SpectroSense2+ meters. Will keep time without the main batteries.	Membrane keypad. Audible key press  <b>SpectroSense2</b> 8 keys  <b>SpectroSense2+</b> 12 keys	<b>All versions</b> a) 4 sensor / channel display b) 2 ratios display c) Integration display d) Set up mode  <b>Logging version</b> a) Log mode b) Memory functions c) Download to PC	<b>SpectroSense2</b>  Choose 4 inputs from 4 x current, and/or 2 x voltage  <b>SpectroSense2+</b>  Choose 8 inputs from 8 x current, and/or 4 x voltage

## ORDERING INFORMATION

### Sensor

SKL 904  
SKL 908

SpectroSense2 display meter  
SpectroSense2+ logging  
display meter

### Light Sensors

SKP 210/I  
SKL 2600/I range  
SKP 215/I  
SKR 1800/I  
SKR 1850/1  
SKE 510/I  
SKS 1110/I  
SKL 310/I  
SKP 216/I  
SKU 420/I  
SKU 430/I

PAR 'Special' sensor  
High output light sensors  
PAR 'Quantum' sensor  
2-Channel sensor  
4-Channel sensor  
Energy sensor  
Pyranometer sensors  
Photometric or Lux  
Hansatech sensors  
UVA Sensor  
UVB Sensor

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