



Single Channel Fibre Optic Probe & Meter

Skye Instruments have been specialising in light and radiation sensors since 1983. All are designed, manufactured and calibrated to the highest standards. Each is supplied with a Calibration Certificate traceable to the UK's National Physical Laboratory (NPL).

Skye Instruments' Fibre Optic Probe & Display Meter system is a compact, hand-held device for the measurement of light in small, inaccessible places. It is also useful for measurement of down-welling light in short grasses, plants, lichens, etc.

The system includes a single fibre optic with a light collecting tip and a display meter. Light enters this tip at right angles to its long axis so that it can lay flat on the ground while taking light measurements from above. The fibre optic probe feeds light into the sensor enclosure at the top of the display meter which consists of a photodiode and filters according to the customer's order.

The light measurement from this sensor is then displayed on the attached meter. The most popular sensor is the SKP 215 PAR Quantum, but this system is also available with the SKP 210 PAR "Special", SKE 510 PAR Energy, SKL 310 Lux and SKS 1110 Pyranometer sensor responses. Please see the Calibration Certificate for the system you have ordered.

This display meter system is splashproof only, it is not designed for long term exposure outdoors. All systems are calibrated against UK National Standards traceable to the National Physical Laboratory, and subsequent recalibration every two years is recommended.

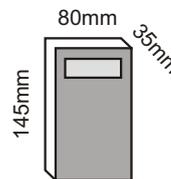


SENSOR SPECIFICATIONS

Dimensions - 6mm diameter & 350mm length
Weight - 730g including meter and filter housing
Construction - Fibre optic surrounded by protective metal and plastic sheath
Sensor - Sensitive to light at right angles to probe tip
Connections - 6 pin DIN
Temperature Range - -10 to +60°C
Humidity Range - 0-99% RH non-condensing.
Splashproof only

METER SPECIFICATIONS

Construction - Polycarbonate housing
Controls - On/off (unit is automatically off when sensor is unplugged) Range- 3 positions
Power Supply - 1x9 volt Pp3 battery, alkaline or NiCad. Approx 250hrs life with Alkaline
Display - 3.5 digit LCD
Accuracy - 0.1% LSD
Dimensions -



Light measurement via the tip of a fibre optic probe
Choose from standard wavebands or specify your own
Ideal for small plants e.g. grasses and lichens
Suitable for areas inaccessible by standard size sensors
2 channel version also available. (please separate datasheet)

NOTES ON SPECIFICATIONS

*All Skye sensors will work at levels of irradiance well above that found in terrestrial sunlight condition, room or growth chamber lighting

Please ask for the relevant datasheet for more detailed specifications on your chosen sensor response.

E.g:
SKP 215 for ideal PAR response
SKP 210 for PAR Special response
SKR 110 for RED/FAR-RED ratio sensor

ORDERING INFORMATION

Sensor

SKP 215/200F - PAR Quantum measuring system using fibre optic probe
SKP 210/200F - PAR Sensor (special) system using fibre optic probe
SKP 218/200F - Other 1-Channel measuring system

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