

LIGHT

Fibre Optic Probe Measuring System

- Light measurement via the tip of a fibre optic probe
- 1 or 2 channel sensor & meter
- 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



This hand-held system measures light within the same ranges and responses as other Skye sensors, except that the light is collected at the end of a long fibre optic probe extension. Choose from any of the standard Skye sensors (excluding UV and UVB), or your own preferred response between 400 - 800 nm. 1 or 2


channel sensors are available, with the possibility of a Y split fibre optic probe.

The light is collected from the tip of the probe at right angles to its long axis. Thus the probe can be inserted in long grass sward or inaccessible hollows and collect down-welling light. The filters and photodiodes are housed in a

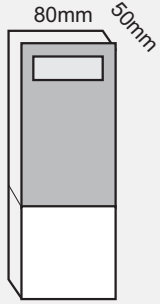
small polycarbonate box, which is neatly mounted with the display meter to make a compact hand-held unit. Applications include studies on grasslands, lichens and other low lying plants. Ideal for monitoring light levels in small nooks and crannies where standard size sensors simply will not fit.



SPECIFICATIONS Sensor

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

SPECIFICATIONS Meter

Dimensions	Construction	Controls	Power supply	Display	Accuracy
 80mm 50mm 230mm	Polycarbonate housing	On/off (unit is automatically off when sensor is unplugged) Range- 3 positions	1x9 volt PP3 battery, alkaline or NiCad. Approx 250hrs life with alkaline	3.5 digit LCD	0.1% LSD

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 660/730 nm ratio sensor

ORDERING INFORMATION

Sensors and meters

SKR 116/100	660/730 ratio measuring system
SKR 116S/100	Other 2-Channel measuring system
SKP 210/200F	PAR Special measuring system
SKP 215/200F	PAR Quantum measuring system
SKP 218/200F	Other 1-Channel measuring system

Accessories

SKL 145	Carry case for fibre optic measuring system
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