

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

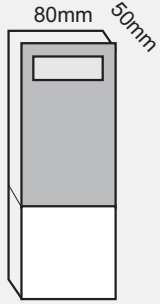
small polycarbonate box, which is neatly mounted with the display meter to make a compact hand-held unit. Applications include studies on grasslands, lichens and other low lying plants. Ideal for monitoring light levels in small nooks and crannies where standard size sensors simply will not fit.



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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Skye Instruments Ltd

