

LIGHT

Amplifiers for Light Sensors

- For compatibility with all dataloggers and controllers
- For use with any of Skye's light sensor range
- Voltage or current outputs
- High specification, low noise amplification



Skye Instruments have been specialist manufacturers of light and radiation sensors since 1983. They design, manufacture and calibrate to National Standards a wide range of sensors in the UV, visible and near infra-red wavelengths, suitable for plant research, meteorology and environmental monitoring.

Standard Skye light sensors have low mA current or mV voltage outputs, often not suitable for industrial dataloggers, controllers and PLCs. So Skye offer a range of output amplifiers for compatibility with almost any system.

The HOPL range of light sensors includes an internal amplifier with choices of voltage or 4-20mA current outputs, please request the specific datasheet on these sensors.

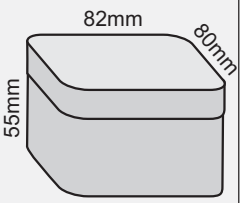
Some sensors in the Skye range cannot house an internal amplifier, so this has to be provided in an additional housing when required. In particular the 4-20 mA UV-B and SKR 1850 4-channel sensors and the current and voltage SKR 1800 2-channel sensors require this option, but if it is more convenient any of Skye's sensors can be fitted with the external amplifier if needed.

Each amplifier is calibrated and scaled to suit an individual light sensor. Full scale light levels are set to user requirements according to the application. Usually the sensor / amplifier pair are purchased together, and the light sensor is not detachable from the amplifier. Cable lengths can be specified at time of ordering.

For full details and specifications of the Skye light sensor range, please request the Light Shortform brochure and individual datasheets.



SPECIFICATIONS

Size	Weight	Cable	Cable Connections	Mounting holes
 <p>82mm 80mm 55mm</p>	160g with 3m cable	<p>Black PVC Def std. 61-12 7-1-4C</p> <p>1m between sensor and amplifier</p> <p>3m wire ended cable for connection</p> <p>Other lengths available</p>	Cable glands sealed to IP65	4 x 4mm diameter on a 57 x 35mm rectangle
Scaling	Outputs	Power Supply	Temperature range	Humidity
Full scale light levels calibrated with associated sensor to customers requirements	<p>4 - 20 mA Or 0-1V</p> <p>Other voltages available</p>	<p>12 - 36 VDC loop powered For 4 - 20 mA output</p> <p>5 - 15 VDC For voltage outputs</p> <p>Reverse protected</p>	-20 to +70°C	0-100% RH

ORDERING INFORMATION

Voltage Outputs

SKP 220V
SKP 120V

1-channel amplifier with 0-1V output
2-channel amplifier with 0-1V output

Current Outputs

SKP 220A
SKP 120A
SKP 125A

1-channel amplifier with 4-20mA
output
2-channel amplifier with 4-20mA
output
4-channel amplifier with 4-20mA
output

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