



# LIGHT

## Recalibration of Pyranometer Sensors

Skye Instruments recommend the recalibration of the SKS 1110 and SKL 2650 silicon cell pyranometers at a minimum of 2 yearly intervals, even though these sensors are very stable and rarely change by more than a few percent under normal usage.

Each sensor is individually calibrated at the time of manufacture under natural daylight conditions, directly against a calibrated reference World Meteorological Office Secondary Standard thermopile pyranometer. Due to the UK latitude, this can only be done during the months of April to September.

For pyranometers returned to Skye during these summer months, the sensors are recalibrated as above and returned with a new Calibration Certificate.

If pyranometer sensors are returned for recalibration between October and March, they are fitted with a reconditioned sensor head (consisting of the photodiode and associated electronics) which has been calibrated the summer before. The customer's original sensor base and cable (with connector if applicable) is returned attached and ready for use. A new Calibration Certificate is issued as before.

The remaining pyranometer head is then reconditioned and scheduled for calibration at the end of the following summer, ready for future winter recalibration orders.

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