

UVlog and UV Sens

1 General Product Information Handheld “UVlog”

- Precise, portable UV-radiometer
- Measurement of light intensity and light dose
- Automatic detection of DC- or AC- lamps
- Large dynamic range (> 5 decades)
- Fast signal coverage (up to 2 KHz)
- Various sensor heads attachable
- Configurable measuring methods
- Illuminated display (102 x 80 pixels)
- Battery run
- Built-in clock
- Built-in temperature sensor
- Internal measurement storage for up to 4000 readings
- Traceability via logging of all quality-relevant data including date/time, temperature and device settings
- Calibration for up to 3 different UV-light sources
- PC remote control capability via USB or IO Interface
- PC-software includes graphic display of the data
- Command-Interface



2 General Product Information Sensor "UV Sens"

Performance Features

- Long-term stable UV Sensor
- Output signal 0-4V
- Spectral range is customer configurable by choosing any UV photodiode out of the sglux product range
- High-quality filter technology
- Cosinus adjustment
- Minimal drift
- Minimal signal noise
- Temperature sensor
- EEPROM for calibration data and identification data
- I2C-Bus Interface
- C-Mount thread for optional adaptor



In addition to the UV-Sensor, the UV SENS includes a temperature sensor and a memory chip, upon which all important information regarding the individual sensor head is stored. This includes:

- sensor type
- spectral range
- serial number
- calibration factor and offset
- compensation curves

The data is read by the portable measuring device and used for the calculation and documentation of measurement values.

This allows for the exchange of sensor heads without any additional configuration effort. The calibration data is stored along with the date and time in a table. This table can be read and evaluated on a PC. Long-term changes in the UV SENS are recognizable based on changing calibration factors.

High quality UV-stable photodiodes, filters, attenuators, and lenses guarantee long-term stable measurements even at great intensities. The inserted ion-plating-filter is characterized by its 100% UV stability and is thermally durable at very low temperatures.

Various adaptors and optic components can be installed using the standard C-mount connection.