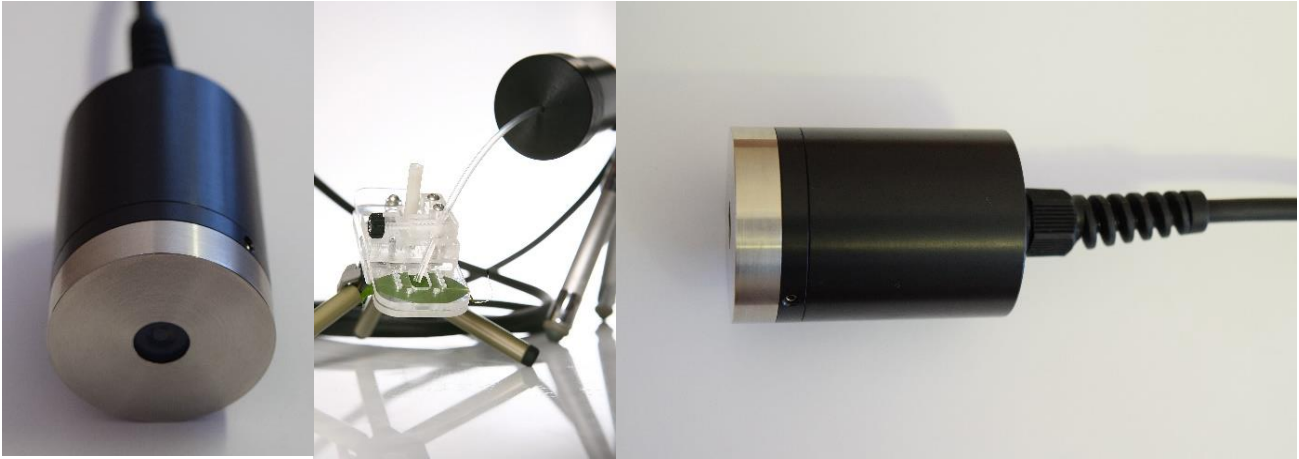


FluorMonitor



Aquation's **FluorMonitor chlorophyll fluorescence sensor** measures photochemical efficiency using the PAM method. The sensor is designed for use in process systems such as greenhouses and aquaria where direct yet automated communication is required. Once set up, the sensor is left unattended to conduct regular measurements.

Features

- Water-resistant to IP65 (IP68 versions available on request)
- Multiple sensors can be operated
- Small size
- Light pipe extension eliminates shading of sample

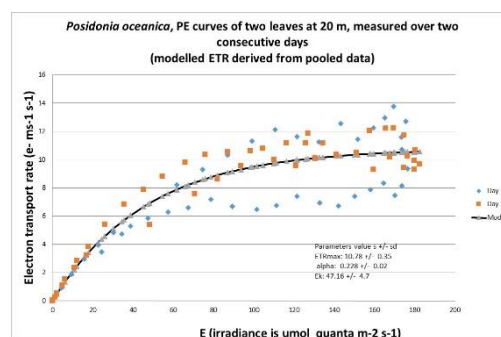
Specifications

- Excitation 470 nm
- Emission detected at >695 nm
- Measures F' , F_m' , calculates ϕ_{II}
- Far red light (735 nm) for PSI activation
- White LED for actinic and saturating lights
- Sensor: 65mm long x 45 mm diameter
- Cable 3 m (longer cable on request)
- Communications: SDI-12

Aquation's **FluorMonitor** uses a modulated blue excitation light to excite leaf chlorophyll fluorescence, which is then filtered and measured. Photochemical light-conversion efficiency is determined using the PAM method, i.e. ϕ_{II} .

A standard communications protocol (SDI-12) enables the **FluorMonitor** to be incorporated in process controlled systems such as greenhouses or automated aquaria.

The sensor design has been tested extensively in the field. Its robust, water-resistant design is the ideal choice for demanding environments.



Diel variation in electron transport rate