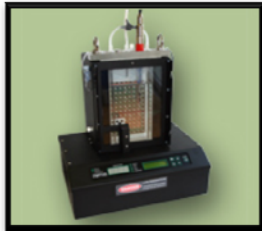


PHOTOBIOREACTORS

- Precisely- defined cultivation conditions combines with real time, in-suit monitoring.
- Monitoring: F_0 , F_t , F_m , F_m' , OD735, OD680, pH, O₂, H₂.
- LED- based illumination: light intensity 2,500 $\mu\text{mol}(\text{photon})/\text{m}^2 \cdot \text{s}$; Static or fluctuating regime.
- Programmable temperature, light, gas, and medium regime.
- Cultivation vessel capacity: 400 ml, 1000 ml , 25 l .



FYTOSCOPIES

- Unique combination of a LED-based light growth chamber and measuring device.
- LED-based illumination: no plant heating precise control over the light mode, intensity and timing.
- Wide range temperature control.
- Online monitoring : FT, FM, QY, temperature, humidity, light conditions
- Variety of interior growing space: from minimum footprint models to walk-in units.



ALGAETRONS

- Well-defined growing of algae and cyanobacteria
- Equipped with programmable LED-based illumination: high light levels, continual modulation, and full spectrum.
- Orbital shaking or magnetic stirring
- Wide range temperature control: relative humidity control; adjustable CO₂ content.
- Online monitoring of fluorescence parameters.



LED LIGHT SOURCES

- Provides accurately defined light conditions for growing.
- Uniform, high- intensity light reaching up to 3,000 $\text{mol}(\text{photon})/\text{m}^2 \cdot \text{s}$.
- Variety of sizes and colours (Varying from UVA to IR); available are single or multi colour versions.



AQUAPEN-C

AquaPen-C is a new cuvette version of the popular FluorPen . It measures photosynthetic parameters in **algal or cyanobacterial suspensions**. The AquaPen-C can measure natural water samples containing low concentrations of phytoplankton.

Key Features

- **Ultra-high sensitivity - 10 ng**
- **Measured/Calculated Parameters:** F_0 , F_T , F_M , F_M' , QY, OJIP
- Adjustable actinic and saturating light.
- Easy, two – button operation
- Rugged, Small, lightweight
- Battery powered



PLANTPEN NDVI 300 & PRI 200

NDVI = (NIR-VIS)/(NIR+VIS).

- Chlorophyll content Indicator
- Indexed chlorophyll content reading in less than 0.1 second.
- Four different multiplication constants.
- Leaf nitrogen content.

PRI = (R531- R570)/ (R531 + R570).

- Xanthophyll interconversion
- Photosynthetic light-efficiency (LUE)
- Senescence detection.

