



ISO 9001  
Version 2008

**EQUIPEMENTS SCIENTIFIQUES S.A.**

Société anonyme au capital de 3.290.000 Euros

R.C. Nanterre B 353 579 634 00018 - Code APE 4652Z - T.V.A. CEE FR 70 353 579 634

127, RUE DE BUZENVAL - B.P.26 - 92380 GARCHES (FRANCE)

Tél. 01 47 95 99 00 - Fax. 01 47 01 16 22

<http://www.es-france.com>

## Leaf-Clip Fluorometer FL 3500/LC

The **Leaf-Clip Fluorometer** is designed to measure fluorescence of plant leaves or their segments. The measured area is a circle of 12.7 mm (0.5 inch) in diameter.

The measuring compartment is equipped with a leaf clip that enables holding the target leaf close to the optical surface without damaging or removing it from its habitat. It is also equipped with a holder that allows easy manipulation.

The instrument is supplied with three sets of light-emitting diodes and a PIN diode detector with 1 MHz/16-bit AD converter and software controlled gain and integration time.



The light-emitting diodes can generate:

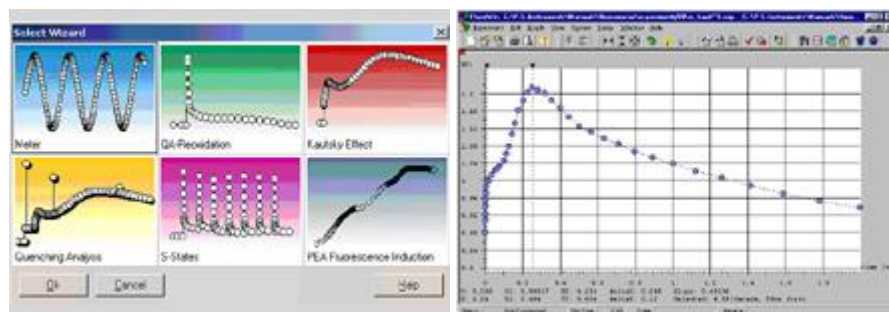
- Measuring flashes, typically 2-5  $\mu$ s long. Standard red-orange color ( $\lambda_{\max}$ =617 nm).
- Single-turnover saturating flashes, typically 20-50  $\mu$ s long. Standard red color ( $\lambda_{\max}$ =630 nm).
- Continuous actinic light of the maximum intensity of 1,500  $\mu$ mol(photons).m<sup>-2</sup>.s<sup>-1</sup>. Standard red color ( $\lambda_{\max}$ =630 nm).

Light intensities and timing are software controlled, separately for each LED set. As an option, the customer can also choose light-emitting diodes of different wavelengths. Contact PSI for your specific needs. The data are processed and the instrument is controlled by the FluorWin software (Windows 95/98/2000/XP compatible).



### FluorWin Software:

- Creation and archivation of experimental protocols.
- FluorWin Wizard for automated protocols.
- Retrieval and export of experimental data.
- Data manipulation and visualization.



FluorWin Software: Wizard / Graph Window