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Find the *Walz XE-PAM* at our website: ***Click HERE***

XE-PAM
Single Turnover Pump Flash Lamp XE-ST and new Assessories



XE-PAM
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The XE-PAM Fluorescence Measuring System offers the unique possibility to assess chlorophyll fluorescence at extremely low chlorophyll concentrations either using the Pulse-Amplitude-Modulation (PAM) measuring technique or the pump & probe method. Notably, the same sample can be investigated using identical xenon measuring flashes, such that the results can be directly compared. We are now pleased to announce a new Single Turnover Pump Flash Lamp as an accessory component for the pump & probe-analysis with the XE-PAM. This lamp is characterized by the following outstanding features

1) Saturating intensity and short flash length (of about 1 µs), featuring a focused xenon discharge lamp.
2) Ten different intensity settings for convenient recording of light saturation curves (determination of the absorption cross-section).
3) Integrated delay circuit, for choice of the delay time between pump and measuring flashes in a range from 10 µs to 10 s.
4) Auto-dial function, for automatic increase of delay time in 10 steps upon repetitive triggering. In this way, rapid relaxation kinetics in the range of 100 µs can be recorded with a simple strip-chart recorder.

The new Pump Flash Lamp XE-ST can also be used with the standard PAM Fluorometer (PAM-101/102/103).

New Accessories

As further accessories for the XE-PAM, we are now able to offer special filter combinations suitable for the measurement of 9-aminoacridine (9-AA)-fluorescence (FS-9AA) and NAD (P)H-fluorescence (FS-NADPH). These filter combinations comprise special filters for the excitation and emission pathways. The filter specifications ensure maximum signal amplitudes and minimum background signals. For measurements of UV-excited chlorophyll fluorescence a special UV-Filterset (FS-UV) and a special UV-Sample Holder (XE-SH-UV) have become available. Such measurements may provide profound information on the UV-absorbing properties of the leaf epidermis.

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