

OS-30p Chlorophyll Fluorometer



Want to know plant HEALTH instantly?

NEW!



*How effective are those
HERBICIDE applications?*

What about the new FERTILIZER treatment?

Take out the guess work. Get the results!

Stress Detection/Resistance
Photosynthetic Efficiency
Herbicide Effects
Nutrient/Fertilizer Analysis
Cold-Hardiness
Heat Stress
Water/Drought Stress

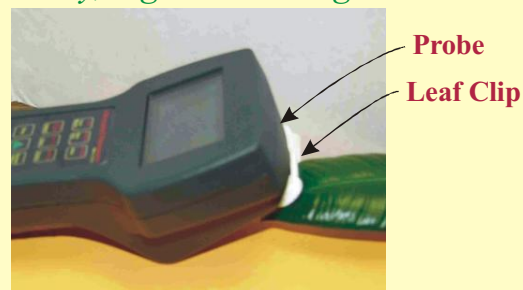
Hand-Held, Field Portable, Simple to Use!

The NEW OS-30p is a low cost, user friendly instrument capable of measuring chlorophyll fluorescence on a variety of samples. This instrument has been optimized for the measurement of photochemical efficiency of Photosystem II in leaves and is particularly appropriate in the area of plant stress physiology, agriculture and forestry. Designed for the rapid screening of dark adapted Fv/Fm ratios, the OS-30p proves an ideal choice for those just starting work with chlorophyll fluorescence phenomenon. With accurate and comprehensive measurement capability, the OS-30p is ideal for in-depth research studies. However, the ease of use and affordable price make it suitable for teaching and classroom demonstration.

The OS-30p consists of a hand-held control unit with integral probe containing both optical excitation and detection components. Fluorescence is excited by the 660nm solid state source which also provides driving energy for the photosynthetic cycle monitored during testing. It's intensity is adjustable and regulated by the control unit. The resultant fluorescence is separated from the excitation light by a >700nm pass filter and detected by a PIN photodiode.

The high sampling rate of this instrument (10 ~10,000 points per second) insures an accurate non-variable fluorescence. Parameters measured, include the often utilized Fv/Fm ratio as well as Fo, Fv, Fm.

Handy, ergonomic design...



*...measuring probe built in,
fits conveniently into
dark adaption leaf clip!*