
Multiple Excitation Wavelength Phytoplankton Photosynthesis Analyzer PHYTO PAM II Compact Version

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Pretul estimativ: 133.500,00 RON - 133.500,00 RON

Descriere: Multiple Excitation Wavelength Phytoplankton Photosynthesis Analyzer PHYTO PAM II Compact Version with all opto-electronic components as well as sample cuvette contained in portable 25 x 25 x 15 cm housing; to be connected to PC via USB cable; operation, data acquisition and analysis with dedicated PhytoWin-3 Software (Windows 7/8/10); featuring Chip-On-Board (COB) Power LED arrays for pulse-modulated fluorescence excitation at 440, 480, 540, 590 and 625 nm and actinic illumination (440, 480, 540, 590, 625 nm and white) in the form of continuous light and single or multiple turnover light pulses, as well as far-red light (740 nm) for selective excitation of PS I; with built-in photomultiplier for fluorescence detection and connector for separate Spherical Micro Quantum Sensor US-SQS/WB (included); Quartz Glass Cuvette 15 mm diameter WATER-K illuminated by COB array from bottom, fluorescence measured at 90° relative to excitation light; for advanced multi-wavelength analysis of Chl fluorescence in suspensions down to 0.1 µg/l, including measurements of slow and fast induction kinetics (Kautsky effect, O-I1 fluorescence rise), deconvolution of major pigment types of phytoplankton (green algae, diatoms, cryptophytes, cyanobacteria), estimation of effective PS II absorption cross sections (Sigma II) and electron transport rates (Saturation pulse method); including Battery Charger MINI-PAM/L, Stand ST-101 and Transport Box PHYTO-T.
