



## Algae Online Monitor AOM



### Features:

### Ultra High Sensitive Algae Monitor !!

- Detection limit **30 ng/L** Chl a
- Wide range of detected organisms - green, brown algae, cyanobacteria, diatoms, etc.
- Measured fluorescence parameters  $F_o$ ,  $F_t$ ,  $F_m$ ,  $F_m'$ , induction (OJIP), photosynthetic activity
- Online flow-through measurement
- Variable excitation color
- Variations for Phycoerythrin, Phycocyanin
- Turbidity measurement
- Outputs for external pumps
- Instantaneous result
- IP 65 standard



**Portable and robust online monitor for the detection of algal biomass in rivers, dams, reservoirs, lakes etc using chlorophyll fluorescence. This instrument enables detect very low concentration of algae or cyanobacteria as well as green, blue-green, brown algae (diatoms and dinoflagellates) and other organisms. Early detection of presentation of algae - allowing effective use of treatment chemicals etc. Real time measurement or laboratory use with internal storage and external communication.**

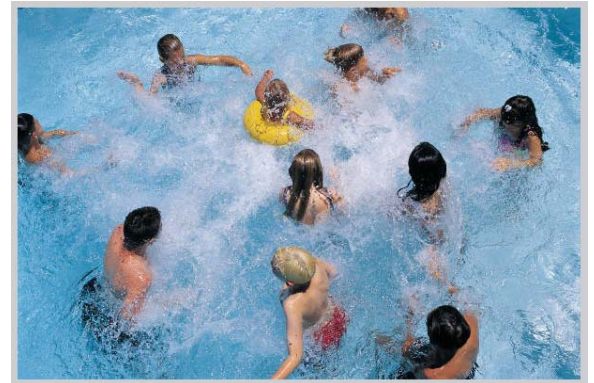


## Applications: Drinking Water Quality

- Online monitoring for drinking water utilities
- Monitoring of reservoirs
- Warning output
- Effective control of water treatment

## Applications: Swimming Pool Water Quality

- Guide to aid pool water quality
- Decreasing chemical use
- Automatic system for monitoring of algae level and controlling of water treatment processes



## NEW Software FluorPen 1.0

- User-friendly operation
- Post Analysis
- Export to Excel
- Windows 2000, XP



2
3:12:31 16.2.2000
QJIP
Fo 336
Fj 846
Fi 1297
Fm 1452
Fv 1116
Vj 0.457
Vi 0.861
Fm/Fo 4.321
Fv/Fo 3.321
Fv/Fm 0.769
Mo 0.892
Area 2879706
Sm 2580.382
Ss 0.512
N 5039.334
Phi_Po 0.769
Psi_o 0.543
Phi_Eo 0.417
Phi_Do 0.231
Phi_Pav 5199.684
Pl_Abs 1.553
ABS/RC 2.541
TRo/RC 1.953
ETo/RC 1.060
Dlo/RC 0.588



## Technical specification:

Measured parameters	Fo, Ft, Fm, Fm', induction (OJIP), photosynthetic activity
Detection limit	Algae -10 cells/ml, Cyanobacteria – 100 cells/ml
Actinic and Saturating light	Adjustable from 0 – 3000 $\mu$ E
Measuring light	Adjustable by duration
Detector wavelength range	PIN photodiode with 660nm-750nm bandpass filters
Sample compartment	Flow-through cuvette
FluorPen 2.0 Software	Windows 2000,XP or higher
Bios	Upgradeable firmware
Communication	Serial 232 or USB interface via USB-Serial reduction
Resolution	12-bits
Memory Capacity	8MB – internal data logging
Power Supply	24V, (or 5V)
Power save mode	Auto
Case	IP65
Temperature range	0-45C
Dimensions	198 mm x 60 mm x 295 mm
Weight	1800 g

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