

## TECHNICAL SPECIFICATION

AOM 2800

AOM 2700

Measured protocols	
- Ft - Instantaneous chlorophyll fluorescence - Quantum Yield - Fix Area of OJIP - Total area above the OJIP fluorescence transient. This parameter correlates with total change of fluorescence signal in OJIP protocol, with total pigment content and hence with cell concentration.	
Illumination – LED lighting	
Actinic and saturating light	Up to 3,000 $\mu\text{mol}(\text{photon}).\text{m}^{-2} .\text{s}^{-1}$
Measuring light	Blue (455 nm) and red (630 nm) Blue (455 nm) and amber (590 nm) Adjustable by intensity
Detector	
Type	PIN photodiode with 660 – 750 nm band pass filters
Detection limit	30 ng Chl/l, corresponds to approx.: Algae - 10 cells/ml Cyanobacteria - 100 cells/ml
Data storage and transfer	
Internal memory capacity	4 Mb
Internal data logging	Up to 100,000 data points (about 300 OJIP curves)
Data transfer	Serial RS 232 or RS 485
Software	FluorPen 1.1
Other	
Sample compartment	Flow-through cuvette made of quartz glass with 20mm diameter
Dimension	200 x 230 x 110 mm
Case	IP65
Total weight	Approx. 3.4 kg
Power supply	24V (optionally 12 V)