



# WETStar

## Miniature Fluorometer

The WETStar miniature chlorophyll fluorometer is the first of a new class of miniaturized, low cost, low power optical instruments. WETStar provides comparable performance to other available fluorometers at a fraction of their cost, power and size. The unit employs a novel flow tube optical design, which lends itself to both pump-through and flow-through operation. The unit's 7–15 VDC input power range and 0–5 VDC analog output allow it to easily mate with existing CTD packages. WETStar is available with a delivery time of four to six weeks.

### Specifications

#### Mechanical

Length: 6.7 in (17.1 cm)  
Diameter: 2.7 in (6.9 cm)  
Weight  
in air: 1.7 lbs (0.8 kg)  
in water: 0.25 lbs (0.1 kg)  
Rated Depth: 600 meters

#### Electrical

Response Time: 0.17 sec  
Input Voltage: 7–15 VDC  
Output Voltage: 0–5 VDC  
Power requirement: <450 mW

#### Optical

Sensitivity:  $\geq 0.03 \mu\text{g/l}$   
Wavelength excitation: 470 nm  
Wavelength emission: 685 nm  
Dynamic Range: 0.03–75 $\mu\text{g/l}$

*Other ranges on request*

*Specifications are subject to change without notice.*



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## Specifications Sheet

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### Revision History

Revision	Date	Revision Description	Originator
A	12/01/99	Begin revision control	H. Van Zee
B	01/03/00	Change depth rating; add excitation and emission	D. Hankins
C	12/12/00	Change sensitivity range	D. Hankins
D	11/26/01	Revise ex and em values (DCR 164)	J. Kitchen