



Reliable Instruments for an Unreliable World

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Specification Certificate

Product: CYCLOPS-7 Submersible Fluorometer, PN 2100-000/2108-000

Application: Ultraviolet: CDOM

Note: CDOM versions are stamped with the Letter "U" on the connector.

This certificate confirms that the CYCLOPS-7 with **Serial Number:** 2102976 has passed all manufacturing performance testing and meets the specifications detailed below.

For operating instructions, please refer to the CYCLOPS-7 User's Manual that is included with the unit or can be viewed at the following web link:

<http://www.turnerdesigns.com/t2/doc/manuals/main.html>

Measurement Parameter	X 1 Gain	X 10 Gain	X 100 Gain
Blank Solution -0.05 Molar H_2SO_4 , millivolt output	0 to 40 mV	0 to 60 mV	0 to 250 mV
Standard deviation in 0.05 Molar H_2SO_4	0.2 mV	2 mV	12 mV
Maximum Concentration value for Quinine Sulfate in 0.05 Molar H_2SO_4	2000 ppb	200 ppb	20 ppb
Gain Factor Spec.	X 1	X 10, +/- 5%	X100, +/- 5%

Note: These specifications are determined from tests performed with Quinine Sulfate in 0.05 Molar H_2SO_4 . There will be some variation in the fluorescence to concentration relationship depending on the preparation of standard solutions.