TURNER DESIGNS
Reliable Instruments for an Unreliable World

Optical Specification Guide

Cyclops Integrator Submersible Fluorometers

P/N	Application	MDL	Linear Range	LED (CWL)	Excitation	Emission	Sol. Std.
2300-251	CDOM/FDOM	0.15 ppb** 0.5 ppb***	0-1,500 ppb** 0-3,000 ppb***	365 nm	325/120 nm	470/60 nm	2300-902
2300-200	Chl *in vivo* (Blue Excitation)	0.025 µg/L	0-500 µg/L	460 nm	465/170 nm	696/44 nm	2300-901
2300-203	Chl *in vivo* (Red Excitation)	0.5 µg/L	0-500 µg/L	635 nm	≤ 635 nm	> 695 nm	2300-901
2300-220	Fluorescein Dye	0.01 ppb	0-500 ppb	460 nm	400/150 nm	545/28 nm	2300-901
2300-253	Oil - Crude	0.2 ppb***	0-1,500 ppb ***	365 nm	325/120 nm	410-600 nm	2300-902
2300-252	Optical Brighteners for Wastewater Monitoring	0.6 ppb ***	0-2,500 ppb ***	365 nm	325/120 nm	445/15 nm	2300-902
2300-231	Phycocyanin (Freshwater Cyanobacteria)	2 ppb^{PC}	0-4,500 ppb^{PC}	590 nm	≤ 595 nm	≥ 630 nm	2300-901
2300-230	Phycoerythrin (Marine Cyanobacteria)	0.15 ppb^{PE}	0-750 ppb^{PE}	525 nm	515-547 nm	≥ 590 nm	2300-901
2300-210	Rhodamine Dye	0.01 ppb	0-1,000 ppb	530 nm	535/60 nm	590-715 nm	2300-901
2300-240	Turbidity	0.1 NTU	0-500 NTU	850 nm	850 nm	850 nm	N/A

***** Quinine Sulfate***

****** PTSA (1,3,6,8-Pyrenetetrasulfonic Acid Tetrasodium Salt)***

^{PC} Phycocyanin pigment from Prozyme diluted in Deionized water

^{PE} Phycoerythrin pigment from Prozyme diluted in Deionized water