TURNER DESIGNS
Reliable Instruments for an Unreliable World

Optical Specification Guide

C3 and C6P Submersible Fluorometers

P/N	Application	MDL	Linear Range	LED (CWL)	Excitation	Emission	Solid Standard
2300-251	CDOM/FDOM	0.1 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)	0.03 µg/L	0-500 µg/L	460 nm	465/170 nm	696/44 nm	2300-901
2300-203	Chl *in vivo* (Red Excitation)	0.3 µg/L	>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
2300-255	Oil - Fine (Refined Fuels)	0.4 ppm***	0-20 ppm***	255 nm	≤ 290 nm	350/50 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	590/30 nm	≥ 645 nm	2300-901
2300-230	Phycoerythrin (Marine Cyanobacteria)	0.1 ppb^{PE}	0-750 ppb^{PE}	525 nm	515-547 nm	≥ 590 nm	2300-901
2300-250	PTSA	0.1 ppb**	0-650 ppb**	365 nm	325/120 nm	405/10 nm	2300-902
2300-210	Rhodamine Dye	0.01 ppb	0-1000 ppb	530 nm	535/60 nm	590-715 nm	2300-901
2300-256	Tryptophan for Wastewater Monitoring	3 ppb	5,000 ppb	275 nm	-	350/55 nm	2300-902
2300-240	Turbidity	0.05 NTU	0-1,500 NTU	850 nm	850 nm	850 nm	N/A

**** Quinine Sulfate***
***** PTSA (1,3,6,8-Pyrenetetrasulfonic Acid Tetrasodium Salt)***
****** BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)***
^{PC} ***Phycocyanin pigment from Prozyme diluted in Deionized water***
^{PE} ***Phycoerythrin pigment from Prozyme diluted in Deionized water***

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