



Optical Specification Guide

Cyclops-6K™ Submersible Sensors

P/N	Application	MDL	Linear Range	LED (CWL)	Excitation	Emission	Sol. Std.
2160-000-U	CDOM/FDOM	0.15 ppb* 0.5 ppb**	0-1,500 ppb* 0-3,000 ppb**	365 nm	325/120 nm	470/60 nm	2160-901
2160-000-C	Chl <i>in vivo</i>	0.025 µg/L	0-500 µg/L	460 nm	465/170 nm	696/44 nm	2160-900
2160-000-O	Oil - Crude	0.2 ppb**	0-1,500 ppb**	365 nm	325/120 nm	410-600 nm	2160-901
2160-000-G	Oil - Refined	0.4ppm***	0-20 ppm***	255 nm	≤ 290 nm	350/50 nm	2160-901
2160-000-P	Phycocyanin (Freshwater Cyanobacteria)	2 ppb ^{PC}	0-4,500 ppb ^{PC}	590 nm	≤ 595 nm	≥ 630 nm	2160-900
2160-000-E	Phycoerythrin (Marine Cyanobacteria)	0.15 ppb ^{PE}	0-750 ppb ^{PE}	525 nm	515-547 nm	≥ 590 nm	2160-900
2160-000-R	Rhodamine	0.1 ppb	0-500 ppb	530 nm	535/60 nm	590-715 nm	2160-900
2160-000-T	Turbidity	0.05 NTU	0-500 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**