



300 40058 Rev. A

InnovOx Laboratory Specification

**InnovOx Laboratory Total Organic Carbon (TOC) Analyzer**

General	1	Tag No.	Tag Rev.			
	2	P&ID No.				
	3	Line No.	Equip No.			
	4	Line Size				
	5	Line Spec				
	6	Area Classification		Non-Hazardous		
	7	Fluid	Fluid Phase		Liquid	
Sensor	8	TOC	Min/Oper/Max	0.05 ppm	50,000 ppm	
	9	Type	Analysis Method	Laboratory	SCWO / NDIR	
	10	Analysis Modes		Grab, Optional Autosampler for NPOC, TOC (TC-IC), TC, IC		
	11	Analysis Time		2.6 to 8.3 min.		
	12	Inlet Connection	Connection Size	Compression Fitting	1/8" Stainless Steel	
	13	Outlet Connection	Connection Size	Barbed	1/8" PVC	
	14	Surface Finish	Wetted/Non Wetted	Mfg Std	Mfg Std	
	15	Ozone Continuous	Ozone Periodic	N/A	N/A	
	16	Sample Temp Rng	Sample Press Rng	10 to 60°C	Ambient, 0.08-2.82 mL sample/analysis	
	17	TOC Range		0.05 to 50,000 ppm		
	18	TOC Accuracy	TOC Precision	+/- 3% or +/- 0.25 ppm, 1 to 100 ppm	RSD ≤ 3% of reading at > 5 ppm	
Transmitter	19	Type		Integrated		
	20	Full Span	Lower/Upper	0 ppm	50,000 ppm	
	21	Calib Range	Lower/Upper	0 ppm	50,000 ppm	
	22	Accuracy		Same as Sensor		
	23	Enclosure Material	Enclosure Rating	Molded Resin & Powder Coated Aluminum	N/A	
	24	Electrical Connection		100 to 240 VAC (+/- 10%), 50/60 Hz, 400VA		
	25	Display Type		Color LCD w/ touch screen		
	26	Manufacturer		<b>SUEZ</b>		
Other	27	Model No.		<b>InnovOx Lab</b>		
	28	Carrier Gas		CO <sub>2</sub> free air or nitrogen; Oil- and water-free; 20-100 psi required		
	29	Wetted Materials		PFA, ETFE, Acrylic, PE, BPT, Titanium, SS 316, PVC, PVDF, PTFE		
	30	Calibration Stability		up to 6 months		
	31	Interferences		HF, F <sup>-</sup> , Concentrated reducing acids (HCl, HBr, HI, H <sub>2</sub> SO <sub>4</sub> , or H <sub>3</sub> PO <sub>4</sub> )		
	32	Ambient Temperature		10 to 40°C		
	33	Max Relative Humidity		Up to 95%, non-condensing		
	34	Maximum Altitude		3,000 m (9,843 ft)		
	35	Outputs		(1) External USB, (2) Internal USB, (1) Ethernet Port		
	36	Safety Certifications		ETL, conforming to UL 61010-1, CE		
	37	Dimensions		20.5"x12.7"x23.0" (52.05x32.26x58.42cm) (HxWxD)		
	38	Weight		22.41 kg (49.4 lbs)		
	39	Sample Particle Size		≤ 800 µm diam		
Notes	Options: Autosampler up to 63 sample tubes for 40mL and 60mL vials and up to 120 sample tubes for 35mL vials, Optional stir bar and rinse station for autosampler, Air Purifier (Removes CO <sub>2</sub> from compressed air).					