



300 40060 Rev. A

M5310 C Lab Specification

M5310 C 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	
Sensor	7	Fluid	Fluid Phase	Water	Liquid	
	8	Type	Analysis Method	Laboratory	UV Pers/Membrane Conductivity	
	9	Analysis Modes		Grab, Optional Autosampler <sup>1</sup> , TOC Removal Grab (EPA DBPR)		
	10	Analysis Time		2 Minutes		
	11	Instrument Flow Rate		0.5 mL/min		
	12	Inlet Connection	Connection Size	Zero Dead Volume Compression	1/16", 10-32 thread	
	13	Outlet Connection	Connection Size	Swagelok Compression	1/8"	
	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	5 to 60°C	N/A	
Transmitter	17	TOC Range		4 ppb to 50,000 ppb		
	18	TOC Accuracy	TOC Precision	+/- 2% or 0.5ppb	< 1% of RSD	
	19	Type		Integrated		
	20	Full Span	Lower/Upper	0 ppb	50,000 ppb	
	21	Calib Range	Lower/Upper	0 ppb	50,000 ppb	
	22	Accuracy		same as sensor		
	23	Enclosure Material	Enclosure Rating	Molded Resin	N/A	
	24	Electrical Connection		100 to 240 VAC, 100VA, 50/60 Hz		
	25	Analog Output	Signal Communications	N/A	Modbus TCP/IP	
	26	Display Type		7" WVGA (800x480) Color LCD Touchscreen		
Other	27	Manufacturer		<b>SUEZ</b>		
	28	Model No.		<b>M5310 C Laboratory</b>		
	29	Wetted Materials		316L SS, PTFE, Quartz		
	30	Calibration Stability		12 months		
	31	Chloride Concentration		Oxidation limited by chloride concentrations above 500 ppm		
	32	Interferences		Insensitive to organic heteroatoms		
	33	Ambient Temperature		5-40°C		
	34	Max Relative Humidity		0-95% noncondensing		
	35	Maximum Altitude		3,000 m (9,843 ft)		
	36	Inputs		N/A		
	37	Inorganic Carbon Removal		Standard Integrated ICR Module		
	38	Outputs		(1) USB device port, (2) USB host port, Ethernet (Modbus TCP/IP)		
	39	Safety Certifications		ETL conforming to UL 61010-1, CE		
	40	Dimensions		16.6"x9.7"x15.8" (42.2x24.6x40cm) (HxWxD)		
	41	Weight		10 kg (22 lbs)		
Notes	Note #1: Optional Sievers Autosampler with Sievers DataPro2 software (Sievers Autosampler requires a computer)					