



300 40056 Rev.

CheckPointe Specification

CheckPointe Online/Portable Total Organic Carbon (TOC) Sensor

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					
Process Data	8	Fluid	Fluid Phase		Liquid	
	9	Flow	Min/Oper/Max	60 mL/min	N/A	
	10	Pressure	Min/Oper/Max	15 psig (1.0 bar) ¹	100 psig (6.9 bar)	
	11	Temp	Min/Oper/Max	10°C	60°C	
	12	Conductivity	Min/Oper/Max	0.055 µS/cm	113 µS/cm	
	13	TOC	Min/Oper/Max	0.05 ppb	1,000 ppb	
Sensor	14	Type	Analysis Method	Portable Integral	UV/DC	
	15	Analysis Modes				Online (average or timed); Grab ²
	16	Analysis Time				15 Seconds
	17	Inlet Connection	Connection Size	Swagelok Compression	1/8 inch	
	18	Outlet Connection	Connection Size	Barbed	1/16 inch	
	19	Surface Finish	Wetted/Non Wetted	Mfg Std	Mfg Std	
	20	Ozone Continuous	Ozone Periodic	50 ppb	200 ppb for 2 hours/day	
	21	Sample Temp Rng	Sample Press Rng	10 to 60°C	15-100 psig (1.03-6.89 bar)	
	22	Raw Cond Rng	Max Sample Cond	0.023 to 150 µS/cm	1.4 µS/cm ³	
	23	Cond Accuracy	Cond Precision	± 2%	± 0.5% RSD	
	24	TOC Range				0.05 to 1000 ppb
25	TOC Accuracy	TOC Precision	± 5% ⁴	< 1% RSD or 0.21 ppb (online) ⁵		
Transmitter	26	Type				Portable Integrated
	27	Full Span	Lower/Upper	0 ppb	1,000 ppb	
	28	Calib Range	Lower/Upper	0 ppb	1,000 ppb	
	29	Accuracy				(same as sensor)
	30	Enclosure Material	Enclosure Rating	Powder Coated Alum	IP-23	
	31	Electrical Connection				100 to 240 ±10% VAC, 60W, 50/60 Hz
	32					
	33	Display Type				LCD Display
	34	Manufacturer				SUEZ
	35	Model No.				CheckPointe (microelectronics model)
36						
Other	37					
	38	Calibration Stability				6 months
	39	Wetted Materials				316L SS, PTFE, Quartz
	40	Ambient Temperature				10-40°C
	41	Max Relative Humidity				90% non-condensing
	42	Maximum Altitude				3,000 m (9,843 ft)
	43	Input				(1) binary input (with optional I/O board)
	44	Outputs				(3) optional isolated 4-20mA
	45	Outputs				(1) USB, (2) optional alarms
	46	Safety Certifications				CE, ETL listed (UL Std 61010-1), CSA C22.2 No. 61010-1
47	Dimensions				10"x12"x 6" (25.4x30.5x15.2cm) (HxWxD) ⁶	
48	Weight				2.9 kg (6.4 lbs) (Sensor only); 3.5 kg (7.7 lbs) (with Vial Sampling Kit)	
Notes	<p>#1: Sample pressures of -0.069 - 0.55 bar (-1.0-8.0 psig) or 0.5mL/min flow require Low Pressure Sampling Kit; #2: Grab Analysis Mode requires Vial Sampling Kit; #3: Sample water quality with a conductivity >1.4 µS/cm may result in reduced TOC accuracy; #4: Accuracy specification for 500ppb sucrose; #5: TOC Precision (grab) ≤ 3.0% at 500 ppb; #6: Dimensions (with Vial Sampling Kit): 10"x18"x 6" (25.4x45.7x15.2cm) (HxWxD).</p>					