



300 40053 Rev. A

500 RLe Specification

500 RLe Online 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				
Process Data	8	Fluid	Fluid Phase	Water	Liquid
	9	Flow	Min/Oper/Max	50 mL/min	N/A
	10	Pressure	Min/Oper/Max	2psig (0.14bar)	100psig (6.89bar)
	11	Temp	Min/Oper/Max	1°C	95°C
	12	Conductivity	Min/Oper/Max	N/A	N/A
	13	TOC	Min/Oper/Max	0.03 ppb	2,500 ppb
Sensor	14	Type	Analysis Method	Online Integral	UV/MC
	15	Analysis Modes	Grab, Online, Online (Timed), Online (Averaged)		
	16	Analysis Time	6 minutes (Online Mode)		
	17	Inlet Connection	Connection Size	Swagelok Compression	0.25 inch
	18	Outlet Connection	Connection Size	Barbed	0.5 inch
	19	Surface Finish	Wetted/Non Wetted	Mfg Std	Mfg Std
	20	Ozone Compatibility ¹		200 ppb	
	21	Sample Temp Rng	Sample Press Rng	1 to 95°C	2-100psig (0.14-6.89bar)
	22	Raw Cond Rng	Max Sample Cond	N/A	25 µS/cm
	23	Cond Accuracy	Cond Precision	N/A	N/A
	24	TOC Range	0.03 to 2,500 ppb		
25	TOC Accuracy	TOC Precision	±5%	±0.03 ppb ≤ 50 ppb; ±1% > 50 ppb	
Transmitter	26	Type	Integrated		
	27	Full Span	Lower/Upper	0 ppb	2,500 ppb
	28	Calib Range	Lower/Upper	0 ppb	2,500 ppb
	29	Accuracy	(same as sensor)		
	30	Enclosure Material	Enclosure Rating	Powder Coated Steel	IP-45
	31	Electrical Connection	Hard wire 100 to 240 VAC, 100W, 50/60 Hz		
	32	Analog Output	Signal Communications	3	RS232, USB
	33	Display Type	QVGA Touchscreen		
	34	Manufacturer	SUEZ		
	35	Model No.	500RLe		
36					
Other	37	pH Range	5.5 to 8.0		
	38	Calibration Stability	12 months		
	39	Interferences	Insensitive to organic heteroatoms		
	40	Wetted Materials	316L SS, PTFE, PVDF (Sampler)		
	41	Ambient Temperature	10-40°C		
	42	Max Relative Humidity	95% non-condensing		
	43	Maximum Altitude	3,000 m (9,843 ft)		
	44	Inputs	One isolated binary input		
	45	Outputs	(1) Modbus/Ethernet, (3) isolated 4-20mA, (1) RS232		
	46	Outputs	(1) USB, (1) printer, (4) alarm		
47	Safety Certifications	ETL conforming to UL 61010-1, CE			
48	Dimensions	16.5"x19"x10.8" (41.9x48.3x27.4cm) (HxWxD)			
49	Weight	16.9 kg (37 lbs)			
Notes	Note#1: 50 ppb continuous or up to 200ppb with ozone destruct kit.				