

	UV254 Go!	UV254 Probe / Sensor	UV254 Dip-Probe	UV254 Station
				
Measuring parameters	UVA UVT SUVA	UVA UVT IRA IRT TSS SUVA	UVA UVT IRA IRT TSS SUVA	UVA UVT IRA IRT TSS SUVA
Surrogate parameters	TOC, BOD, COD, DOC	TOC, BOD, COD, DOC	TOC, BOD, COD, DOC	TOC, BOD, COD, DOC
Measuring method	UV-photometric method, measuring light absorption at 254 nm light wave. The amount of COD/BOD/TOC/DOC in the water can be extrapolated from the UVA measurement after suitable calibration			
Range	COD (0-2800 mg/l), BOD (0-1400 mg/l), TOC (0-1200 mg/l), DOC (0-1000 mg/l)			
TSS Included	N0	Yes	Yes	Yes
Optical path length	1, 2,5,10 mm	1, 2,5,10,20, 50 mm		
Operation Conditions	10 – 45 °C, Max 80% relative humidity (non-condensing)			
IP Rating	IP 65	IP 68	IP 65 controller / IP 68 sensor	IP 65 controller / IP 68 sensor
Sensor material	Quartz cuvette	Aluminium, Stainless Steel or Titanium options		
Interface	USB to PC	RS485, MODBUS	USB to PC	2 x 4-20mA, 2 x relay, MODBUS
Power	USB 5v	12v dc	USB 5v	120v / 230v

* Measurement of surrogates requires routine calibration to standard procedures, as the water matrix chemistry may change with time.

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Parameter Ranges and Accuracy

	1 mm (mg/l)	2 mm (mg/l)	5 mm (mg/l)	10 mm (mg/l)	20 mm (mg/l)	50 mm (mg/l)
COD	0-2800 $\pm$ 2	0-1400 $\pm$ 1	0-560 $\pm$ 0.4	0-280 $\pm$ 0.2	0-140 $\pm$ 0.1	0-56 $\pm$ 0.04
BOD	0-1400 $\pm$ 1	0-700 $\pm$ 0.5	0-280 $\pm$ 0.2	0-140 $\pm$ 0.1	0-70 $\pm$ 0.05	0-28 $\pm$ 0.02
TOC	0-1200 $\pm$ 1	0-600 $\pm$ 0.5	0-240 $\pm$ 0.2	0-120 $\pm$ 0.1	0-60 $\pm$ 0.05	0-24 $\pm$ 0.02
DOC	0-1000 $\pm$ 1	0-500 $\pm$ 0.5	0-200 $\pm$ 0.2	0-100 $\pm$ 0.1	0-50 $\pm$ 0.05	0-20 $\pm$ 0.02
TSS (Probes only)	100-52440 $\pm$ 5%	50-26220 $\pm$ 5%	20-10488 $\pm$ 5%	10-5244 $\pm$ 5%	5-2622 $\pm$ 5%	2-1048.8 $\pm$ 5%
Probe	✓*	✓	✓	✓	✓	✓
Cuvette	✓	✓	✓	✓	×	×
Probe Materials Options	Titanium, Stainless Steel	Titanium, Stainless Steel	Titanium, Stainless Steel	Titanium, Stainless Steel	Titanium, Stainless Steel Aluminium	Titanium, Stainless Steel Aluminium
Notes	*1mm has minimum water pressure requirements					

UV254 Go! Case



- 1) Charger
 - 2) USB Cable
 - 3) Sample Container
 - 4) Battery Bank
 - 5) Additional Cuvettes
 - 6) Sample Dispenser
- UV254 Go! Only

UV254 Dip-Probe! Case



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