

Probes for pH, Dissolved Oxygen, Turbidity, Conductivity as well as Temperature

- **pH/ ORP/ T-Sensor**
- **Dissolved Oxygen/ T-Sensor**
- **Turbidity/ T-Sensor**
- **Conductivity/ T-Sensor**

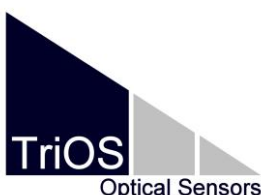
The new TriOS-series of additional parameter probes offers the possibility determining frequently asked parameters such as pH or turbidity and temperature, in addition to the use of classical TriOS sensors, such as ProPS or VIPER. This may be necessary in a variety of applications, e.g. for the pH-dependent parameters such as the detection of the total sulfide concentration or color. The four following probes for such additional parameters are available:

- **pH/ ORP/ T-Sensor:** measures pH, ORP (redox-potential) and temperature
- **DO/ T-Sensor (Dissolved Oxygen):** measures dissolved oxygen and temperature
- **Turbidity/ T-Sensor:** measures turbidity and temperature
- **Conductivity/ T-Sensor:** measures conductivity and temperature



Applications

- Industrial wastewater
- Drinking water
- WWTP
- Water monitoring
- Laboratory
- Aquaculture



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Info

	<i>pH/ ORP/ T-Sensor</i>		<i>DO/ T-Sensor</i>	<i>Turbidity/ T-Sensor</i>	<i>Conductivity/ T-Sensor</i>
Parameter	pH, ORP (redox potential), temperature		dissolved oxygen, temperature	turbidity, temperature	conductivity, temperature
Interface	Modbus RS 485				
Power supply	5 – 12 V (TriBox2)				
Material	PVC, special pH glass, platinum		Stainless steel 316 L	PVC, PMMA	PVC, stainless steel
Size (D x L)	27/21 x 207 mm		25 x 146 mm	27 x 170 mm	27 x 177 mm
Weight in air with 3 m cable	350 g		450 g	300 g	350 g
Operating temperature	0°C – 50°C				
Maximum pressure	5 bar				
	Temperature-Sensor				
Measurement principle	Via CTN				
Operating temperature	0°C – 50°C				
Resolution	0.01°C				
Accuracy	+/- 0.5°C				
	pH	ORP (Redox)	DO (dissolved oxygen)	Turbidity	Conductivity
Range	0 – 14 pH	-1000.0 mV +1000.0 mV	0 – 20 mg/l 0 – 200 % SAT	0 – 4000 NTU in 4 ranges	0 – 200.0 mS/cm in 4 ranges
Resolution	0.01 pH	0.1 mV	0.01 mg/l 1 % SAT	0.1 to 1 NTU	0.01 µS/cm to 1 mS/cm
Accuracy	+/- 0.1 pH	+/- 1 mV	+/- 0.1 mg/l +/- 1 %	< 5 % of the full scale	+/- 1 % of the full scale



Order Codes

35 0000	pH/ ORP/ T-Sensor
35 0001	Spare Cartridge for pH/ ORP/ T-Sensor
35 0002	DO-Sensor (Dissolved Oxygen)
35 0003	Turbidity-Sensor
35 0004	Conductivity-Sensor
35 0005	Modbus Interface Box5
35 0006	Modbus RS485 to RS232 Converter