

# Multiparameter Probe

The new Multiparameter Probe measures up to 8 physicochemical parameters at the same time. Measurements are dedicated to water quality: pH, ORP, Temperature, DO (optical), turbidity (NTU/FNU), Turbidity ( mg/L ), conductivity, salinity, TDS...

## READY TO BE CONNECTED:

Compact, robust, and with Modbus R485 or SDI-12 output, the Multiparameter Probe can be used with a variety of dataloggers, telemetry systems, PLCs and acquisition devices.

Signal Integrity: a pre-amplifier is integrated into the sensor, digital processing of the signals increases measurement reliability. The Multiparameter Probe can be used with the handheld readout/logger ODEON for optimal physico-chemical measurements: ODEON can store up to 100000 measurements.

## MEASURED PARAMETERS:

Temperature / pH, ORP / Conductivity, salinity, TDS / Oxygen (% Sat, ppm, mg/L) / Turbidity (NTU, FNU), SS (mg/L)

- Measure up to 9 parameters with the same probe
- Optical oxygen measurement
- Modbus RS-485 and SDI12
- Compact, strong and light probe

## APPLICATIONS:

- Wastewater
- Surface water
- Fish Farming
- Aquaculture
- Drinking water



# Multiparameter Probe Specifications

Parameter	Range	Accuracy	Sensor
<b>PH/ORP/T°C</b>			
Temperature	0 to 50°C	±0.1°C	NTC Thermistor
pH	0 to 14	±0.1	Plasticised "PLASTOGEL"® electrolyte, Ag/AgCl reference
ORP	-1000 to +1000 mV	± 2 mV	Platinum electrode, Ag/AgCl reference
<b>OPTOD</b>			
Dissolved Oxygen/T°C	0 to 20 mg/L 0 to 200% SAT	± 0.1 mg/L ± 1%	OPTOD optical luminescence technology ASTM D888 – 05 Compliance
<b>C4E</b>			
Conductivity	0 to 200 µS/cm 0 to 2000 µS/cm 0 to 20 mS/cm 0 to 200 mS/cm	± 1% full scale	C4E Technology: 4 electrodes (2 platinum and 2 graphite)
Salinity	5 to 60 ppt	± 0.5% full scale	C4E Technology: 4 electrodes (2 platinum and 2 graphite)
<b>NTU</b>			
Turbidity	0 to 50 NTU 0 to 200 NTU 0 to 1000 NTU AUTOMATIC NTU Range 0-4500 mg/L	± 1% full scale	IR 90° technology ISO 7027 compliance
<b>Probe</b>			
Interface Signal:	Modbus RS485/SDI-12		
Measurement frequency:	1 s max		
Power Requirement:	5-12 Volts		
Dimensions:	Diameter max: 75 mm, Length: 288 mm, Length with hook: 394 mm		
Weight:	1300 g		
Material:	EPDM, PVC, Inox		
Max Pressure:	5 bar		
Connection:	9 armoured connectors, polyurethane jacket, bare-wires or waterproof Fischer Connector		
Protection:	IP68		

