AQUOLABO



MEASURED PARAMETERS

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

FIELD OF APPLICATIONS

Wastewater / Surface water / FishFarming, Aquaculture / Drinking water

MULTIPARAMETER PROBE

The new numerical TRIPOD of PONSEL MESURE allows to measure until 8 physicochemical parameters in the same time dedicated to the quality of waters among the following ones: pH, ORP, Temperature, DO (by optical way), turbidity (NTU / FNU), Turbidity (mg / L), conductivity, salinity, TDS...

READY TO BE CONNECTED

Compact, robust and communicating in Modbus R485 or SDI12 the TRIPOD can be associated with every type of terminal with inlet RS485 Modbus (automaton of remote processing, transmitter, to logger) or SDI12 (acquisition device, logger with transmission GSM / GPRS, sampler ISCO, flowmeter).

Resisting the disturbances: a pre-amplification is integrated into the sensor and the digital processing of the signals allows an extreme fiabilisation of the measures.

The TRIPOD associated with the handheld multiparameters ODEON allows an optimization and a fiabilisation of your physico-chemical measures: important capacity of recording (until 100 000) and large autonomy.



- Measure until 9 parameters with the same probe
- •Technology of oxygen measure by optical way
- Numerical communication Modbus RS-485 and SDI12
- Compact, strong and tight probe

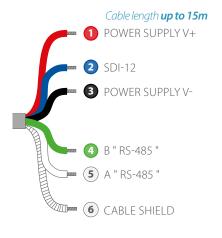


SENSORS TECHNICAL CHARACTERISTICS

	Parameter	Range	Accuracy	Sensor
PH/ORP/T°C	Temperature	0,00 to + 50,00 °C	± 0,1°C	NTC Inox
	рН	0,00 to 14,00 pH	± 0,1	plasticized PONSEL "PLASTOGEL"® electrolyte Ag / AgCl reference
	ORP	- 1000,0 to + 1000,0 mV	± 2 mV	Platinum electrode Ag / AgCl reference
OPTOD	Dissolved Oxygen/T°C	0,00 to 20,00 mg/L 0,0 to 200,0 % SAT	± 0,1 mg/L ± 1 %	PONSEL OPTOD optical luminescence technology ASTM D888 – 05 Complinace
C4E	Conductivity	0,0 to 200,0 μS/cm 0 to 2 000 μS/cm 0,00 to 20,00 mS/cm 0,0 to 200,0 mS/cm	± 1 % of the full scale	C4E Technology 4 electrodes (2 platinum and 2 graphite)
	Salinity	5,00 - 60,00 ppt	± 0,5 % of the full scale	C4E Technology 4 electrodes (2 platinum and 2 graphite)
UTN	Turbidity	0,00 to 50,0 NTU 0,0 to 200,0 NTU 0 to 1000 NTU AUTOMATIC Range Range 0-4500 mg/L	± 1 % of the full scale NTU	IR 90° technology ISO 7027 compliance

Probe			
Interface signal	Modbus RS485 /SDI12		
Measurement frequency	t frequency < 1 s max		
Power supply	5-12 Volts		
Dimensions	Diameter max. 75 mm, Lenght (without hook) 288 mm, Lenght with hook 394 mm		
Weight	1300 g		
Material	al EPDM, PVC, Inox		
Pressure	5 bars		
Connection	9 armoured connectors, polyurethane jacket, bare-wires or waterproof Fisher Connector		
Protection	IP68		

WIRING DIAGRAM



Cable lenght 15 to 100 meters

- 1 RED, PURPLE, YELLOW, ORANGE, PINK : POWER SUPPLY V+
- 2 SDI-12
- 3 POWER SUPPLY V-
- **4** B " RS-485 "
- **5** A " RS-485 "
- **6** CABLE SHIELD



