

Digital portable pH/ORP and temperature meter

Digital Technology for optimized measures

Article-No. 486 6201

- Combination pH/Redox/Temp sensor
- Digital Sensor : Modbus RS 485 / SDI-12
- Calibration data inside
- pH/ORP Cartridge

Introduction :

The sensor has been designed to perform under hard conditions from pure mountains water with conductivity as low as 20 $\mu\text{S/cm}$, lakes and rivers (100 – 2000 $\mu\text{S/cm}$), seawater with conductivities of 50 mS/cm and to wastewater with conductivity higher than 200 mS/cm.

This sensor features a "long life" reference. The Plastogel® technology increase the lifetime of the probe the need to refill.

This sensor has been designed also for handheld and in situ applications which have been the most difficult situations for a pH/ORP sensor in term of sensor resistance, quick time response, minimal flow dependence and low power consumption.



Range

- pH : 0-14
- Redox : - 1000 to + 1000 mV
- T°C : -10°C to +50°C

Digital Technology

The "smart" pH/Redox/Temp sensor stores calibration and history data within the sensor. This allows you a "plug and play" system without re-calibration.

Thanks to the Universal Modbus RS485 protocol, the pH/Redox/T sensor can be connected to all devices commonly used (Datalogger, Controller, Automat, Remote System...).

Technische Daten

pH	
Measure principle	Combined electrode (pH/ref) : special glass, Ag/AgCl ref. Gelled electrolyte (KCl)
Range	0~14 pH
Resolution	0.01 pH
Accuracy	± 0.1 pH
Redox	
Measure principle	Combined electrode (Redox/reference) : Platinum tip, Ag/AgCl AgAgCl. Gelled reference (KCl)
Range	- 1000 ~ + 1000 mV
Resolution	0.1 mV
Accuracy	2 mV
Temperature	
Technology	CTN
Range	0.00 °C à + 50.00°C
Resolution	0.01 °C
Accuracy	± 0.5 °C
Response time	< 5 s
Storage temperature	0°C ~ + 60°C
Protection	IP 68
Interface	Modbus RS-485 / SDI-12 (option)
Power supply	5 ~ 12 volts