

DIGISENS RANGE PHEHT: pH, Redox & Temperature

Digitally optimised measurement technology

- Combination pH, redox & temperature sensor
- Smart sensor stores configuration settings and calibration history
- Digital sensor: Modbus RS-485
- Field replaceable pH/ORP sensor cartridge
- Robust and watertight



- pH: 0 to 14
- Redox: -1000mV to +1000mV
- Temperature: -10°c to +50°c



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

Cartridge

The pH/ORP cartridge is designed to last for an extended time with Plastogel technology meaning recalibration and replacement is infrequent. The sensor has been designed for the most difficult situations for a pH/ORP sensor in terms of sensor resistance, quick response time, minimal flow dependence and low power consumption.

Digital Technology

The smart digital PHEHT sensor stores calibration history data within the sensor. This allows a 'plug and play' system without re-calibration.



E-mail: sales@isweek.com

Tel: +86-755-83289036

Fax: +86-755-83289052



DIGISENS RANGE PHEHT: pH, Redox & Temperature

10	_	
		•
w		ш

рп		
Measurement principle	Combined electrode (pH/ref) : special glass, Ag/AgCI ref. Gelled	
Range	0 - 14 pH	
Resolution	0,01 pH	
Accuracy	+/- 0.1 pH	
Redox		
Measurement principle	Combined electrode (Redox/reference): Platinum tip, Ag/AgCl AgAgCl. Gelled	
Range	- 1000 to + 1000 mV	
Resolution	0.1 mV	
Accuracy	± 2 mV	
Temperature		
Technology	CTN	
Range	0,00 °C to + 50,00°C	
Resolution	0,01 °C	
Accuracy	± 0,5 °C	
Response time	< 5 s	
Operating temperature	0°C to + 60°C	
Protection	IP 68	
Interface	Modbus RS-485 / SDI-12 (option)	
Power supply	5 to 12 volts	
Power consumption	Standby : 25µA, Average RS485 (1 measure/second) : 3,9 mA, Average SDI12	
Sensor		
Dimensions	Diameter: 27 / 21 mm; Length: 207 mm	
Weight	350 g (sensor + 3 m cable)	
Material	PVC, special pH glass, platinum	
Pressure	5 bars	
Cable	Coaxial armoured, Polyurethane, bare wire or Fisher connector	
Protection	IP68 up to gland	



