



## NEW NEON & PHEHT

NEW PORTABLE FIELD METER  
FOR PH, ORP AND  
TEMPERATURE MEASUREMENTS  
FOR WATER QUALITY

### APPLICATIONS

Surface water, groundwater monitoring...  
Treatment of urban wastewater (inlet, aeration basin, outlet)  
Industrial wastewater treatment

### ADVANTAGES



- Intuitive, simple and quick to use: immediate handling
- Robust, waterproof IP67 and lightweight
- Digital sensor technology: measurement reliability
- Data recording and transfer via Wifi

## PHYSICO-CHEMICAL TECHNOLOGY

The PONSEL sensor incorporates a reference electrode, used for pH and redox measurements, type Ag/ AgCl with plasticized electrolyte saturated in KCl «PLASTOGEL»®

The «PLASTOGEL»® electrolyte communicates directly with the external medium without capillary or porous interposition. There is therefore no risk of plugging or defusing the reference.

The measuring electrodes are in the form of a special pH-sensitive glass bulb welded to the end of a crystal tube for pH and in the form of a platinum tip for redox.

Temperature: measurements via CTN inserted in a stainless steel sheath..

## NEON DIGITAL PORTABLE DEVICE

Always ready for use, NEON combined with the PHEHT sensor allows reading of pH and ORP as well as temperature. NEON also offers a recording function (30000 measuring points) in a punctual and automatic mode. Data transfer to the computer is easy thanks to the WiFi Transfer function (without additional cable).

Resistant to disturbances: pre-amplification integrated in the sensor and digital signal processing.

All calibration, history, user and measurement data is processed directly in the PHEHT sensor and transmitted to the NEON instrument.

## SPECIFICATION

<b>Measuring range</b>	pH: 0.00 to 14.00 (compensated at 25°C)   Redox: -1000.0 to +1000.0 mV   Temperature: 0.00 – 50.00°C
<b>Resolution</b>	pH: 0.01   Redox: 0.1 mV   Temperature: 0.01°C
<b>Accuracy</b>	pH: +/- 0.1 pH   Redox: +/- 0.2 mV   Temperature: +/- 0.5°C
<b>pH calibration</b>	On 3 points
<b>Recording</b>	30 000 points   Wifi transfert
<b>Functions</b>	Auto Off: 2, 5, 10, 15, 30 min   Light intensity: 5 min max   Contrast management Main measurement zoom function   Recording: On-site, interval recording (time interval) Indication of measurement stability   Measurement function that freezes with measurement stability condition
<b>Power supply</b>	3 battery 1,5V AA 848 h (without recording) 225 h (1 recording/minute)

### Technical Data NEON housing

<b>Weight</b>	880 g
<b>Dimensions (H x l x e)</b>	146 x 88 x 33
<b>Protection class</b>	IP 67
<b>Operating temperature</b>	-5 to 50 °C
<b>Storage temperature</b>	-10°C-60°C
<b>Screen</b>	LCD graphic   Backlight
<b>Material</b>	ABS
<b>Sensor connexion</b>	Cable gland type PG9 Sensors on 3,7 et 15 m

### Specification PHEHT sensor

<b>Weight</b>	350 g (sensor + 3 m cable)
<b>Dimensions</b>	Bottom: diameter 21 mm; Length 92 mm, Top: diameter 27 mm; Length 103 mm, Sensor length mounted: excluding cable gland 210 mm; Length with cable gland 260 mm
<b>Protection class</b>	IP68
<b>Operating temperature</b>	0 to 50 °C
<b>Storage temperature</b>	- 10°C to + 60°
<b>Pressure max.</b>	5 bars
<b>Material</b>	PVC, POM-C, pH glass, platinum, polyurethane



t +61 2 9894 4511  
e sales@aqualab.com.au  
w www.aqualab.com.au

