



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

Measuring range	pH: 0.00 to 14.00 (compensated at 25°C) Redox: -1000.0 to +1000.0 mV Temperature: 0.00 – 50.00°C
Resolution	pH: 0.01 Redox: 0.1 mV Temperature: 0.01°C
Accuracy	pH: +/- 0.1 pH Redox: +/- 0.2 mV Temperature: +/- 0.5°C
pH calibration	On 3 points
Recording	30 000 points Wifi transfert
Functions	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
Power supply	3 battery 1,5V AA 848 h (without recording) 225 h (1 recording/minute)

Technical Data NEON housing

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

Specification PHEHT sensor

Weight	350 g (sensor + 3 m cable)
Dimensions	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
Protection class	IP68
Operating temperature	0 to 50 °C
Storage temperature	- 10°C to + 60°
Pressure max.	5 bars
Material	PVC, POM-C, pH glass, platinum, polyurethane