



NEW NEON & VB5

NEW PORTABLE FIELD METER
FOR TEMPERATURE
AND SLUDGE BLANKET
MEASUREMENTS FOR WATER
QUALITY

APPLICATIONS

Urban Wastewater Treatment:
Primary and Final Decanter

Industrial effluent treatment:
Primary and Final decanter

Non Collective Sanitation
(septic tank)...

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

OPTICAL TECHNOLOGY

The measurement principle is based on the attenuation of the IR signal at 870 nm through a 5mm optical slot. The sensor delivers Mud Veil measurements in % IR transmission. For better accuracy, the sensor optics are temperature regulated.

Temperature: measurements and regulation of optics via CTN.

NEON DIGITAL PORTABLE DEVICE

Always ready to use, the portable NEON associated with the sensor Sludge detection allows the reading of the temperature and Mud Veil in the settling works. NEON also offers a recording function (30,000 measurement points) in point and automatic mode. Data transfer to computer is facilitated by the WiFi Transfer function (without additional cable).

Interference resistant: pre-amplification integrated into the sensor and digital signal processing.

All calibration, history, user and measurement data are processed directly in the VB5 sensor and transmitted to the NEON Handheld device.

SPECIFICATION

Measuring range	Sludge Blanket : 0-100 % Temperature : 0,00 – 50,00 °C
Resolution	Sludge Blanket: 0.01 à 0.1 % Temperature : 0.01 °C
Accuracy	Sludge Blanket : +/- 2% Temperature : +/- 0.5 °C
Sensor VB5	Optical IR sensor (870 nm) based on absorptiometry
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 850 hours (without recording) 225 h (1 recording/min)

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 VB5 sensor

Weight	750 g (sensor + 3 m cable)
Protection class	IP68
Operating temperature	0 to 50 °C
Storage temperature	- 10°C to + 60°
Pressure max.	5 bars
Material	POM-C