

AQUALABO

Smart water solutions

TURBILOW

LATEST RANGE OF DIGITAL
TURBIDIMETER FOR
LABORATORY AND FIELD!



KEY FEATURES

- Microprocessor based Instrument suitable for Laboratory and field
- Range: 0 to 1000 NTU / 0 to 250 EBC
- Very Easy User Interface and quite easy to operate and handle
- Robustness developed with the best engineering technology and existing materials, which bring the instrument high strength and maximum sealing to meet the highest national and international quality standards.
- Optimized Sealing - Does not require torque wrenches to maintain IP67 protection
- Data output: It exports the data in "CSV" format and can be used in spreadsheet software such as "Excel, Open Office etc ..." and easily viewed on your computer screen or using the output to automate laboratory analysis.
- Waterproof Instrument that really offers ample protection IP-67 (waterproof) for use in the field.
- Calibration Standards: 0.1 NTU, 20 NTU, 100 NTU, 800 NTU
- Inbuilt Color Compensation of the sample to ensure better accuracy in readings
- Inbuilt Security (ID & Password facility) for Calibration, Configuration and Service functions.

TECHNICAL CHARACTERISTICS

- **Measurement method:** Ratio determination using a primary nephelometric light scatter signal (90°) to the transmitted light scatter signal.
- **Reading units:** NTU/EBC
- **Lamp source:** Tungsten lamp
- **Measuring range:** 0 to 1000 NTU/0 to 250 EBC
- **Resolution:** 0,01 on lowest range
- **Accuracy:** ± 2% of reading: 0 to 500 NTU / ± 3% 500 to 1000 NTU
- **Repeatability:** ± 1% of reading or 0,01 NTU
- **Automatic reading:** with user-defined intervals 0 to 250 seconds
- **Maximum uncertainty:** ± 2% of full scale
- **Display:** LCD 2 lines / 16 characters
- **Response time:** Programmable 6 to 41 sec
- **Data logger:** Up to 1000 data
- **Auto ShutOff:** Programmable from 1 to 60 min
- **Fast cal function:** Quick calibration for single point
- **Software functions:** Signal averaging, "fast setting", results freezing, analyst and sample identification, calibration status, verification and calibration reminder, calibration history, password
- **Sample required:** 15 ml vial with lid
- **Sample vial:** Round borosilicate glass vial with screw and caps ($\Phi = 24,5$ mm)
 - **Power supply:** 4AA batteries or power supply cable
 - **Indicator:** Low battery indicator / battery exchange
 - **Serial output:** USB
 - **Enclosure rating:** IP-67, waterproof
 - **Storage conditions:** 0 to 40°C (instrument only)
 - **Dimensions:** 114 x 198 x 83 mm

PARTS AND ACCESSORIES - INCLUDED

- 3 cells of 24,5 mm
- Batteries AA e power supply cable
- Instruction manual and carry case

PARTS AND ACCESSORIES - OPTIONAL

- Backlight display
- Silicone oil
- Cleaning cloth