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DIGITAL TURBIDIMETER

R-TE-2000

Used for easily analyzing turbidity in liquid solutions in the field or on a table top.

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Technical Characteristics

R-TE-2000

- Measuring principle: Nephelometric;
- Performance criteria: As specified in USEPA Method 180.1;
- Optical system: 2 internal detectors, one at 180° for Transmitted Light eliminating color interference from the sample and the other at 90° compensating for lamp intensity fluctuations;
- Measuring range: 0 to 1000 NTU;
- Auto resolution: < = 0.01 NTU;
- Accuracy: < = 2% of reading plus stray light from 0 to 1000 NTU;
- Operation: Auto-Press;
- Display: LCD – 2 lines / 16 characters. It features, among others, the functions of freezing of results, identification of the analyst and sample, reminder of verification of calibration and history, reminder of calibration, password of access, battery status, graphic indicating the status of the calibration;
- Languages: Spanish, English and Portuguese;
- Detector: Silicon Photocell;
- Reading mode: Automatic decimal point selection or manual selectable from 0 to 9.99/ 0 to 99.9 / 0 to 1000 NTU;
- Sampling: Programmable from 8 to 100 samples, with response time from 4 to 27 seconds;
- Light Source: Lamp with tungsten filament, which operates at a temperature of 2200 -3000 K;
- Lifetime: Above 100,000 readings, as per criteria cited in Standard Methods;
- Keyboard: High strength without aluminum caps;
- Memory: Storage of the last 1000 data with date, time and calibration indication and identification of the analyst and the sample in each result. Allows data transfer via USB;
- Access password: Restricting access to data log, calibration, and factory configuration folders;
- Auto off: Programmable from 1 to 60 min. To save batteries;
- Measurement functions: - Signal Average (measures and calculates the average of the readings, presenting an intermediate result); - Fast Settling" (determines the turbidity of samples that

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Benefits and Advantages

- Easy operation and handling equipment
- Intuitive display with several functions optimizing the analysis routine
- Internal microprocessor that minimizes operating errors and ensures reading accuracy
- Flexibility in choosing the type of calibration (guided or free)
- Guided/automatic calibration using ready-made standards making operation easier
- Free calibration allowing adjustments and insertion of curves with user standards improving the accuracy of readings according to the evaluated turbidity range
- Automatic reading providing users with convenience
- Access control which restricts access to data log calibration and factory configuration folders with a password
- Waterproof cabinet ensuring safety when used in the field
- Bulb with long life cycle (life cycle 36 years using daily 24/7 readings every minute)
- USB communication no need for an extra module for data transfer

Related Products

DRY BLOCK/DQO

TE-021-DRY BLOCK/DQO

DIGITAL

CONDUCTIVOMETER

TEC-4/1-MP