



MODEL NO.- ACM- WESTOX-09887

MICROPROCESSOR BASED TURBIDITY METER

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Weiber designs latest microprocessor based, digital, auto calibrated, advanced, portable, laboratory purpose best pH tester with computer connectivity for various applications such as effluent treatment plants, for sewage treatment plant and waste water treatment. Turbidity Analyzer measures the extent to which the water loses its transparency due to presence of suspended particulate matter in a given sample. A higher turbidity indicates more contamination.

Weiber's Turbidimeter is an ideal scientific instrument for research and general field applications by researchers and scientists. Our Turbidimeter measures the loss in intensity of a light beam through a solution that contains suspended particulate matter. The greater the loss in intensity of a light beam passing through the given sample, the higher content of suspended particulate matter in the said sample. Turbidimeters are widely utilized to test public water supplies for the presence of particulate matter suspended in the water.

Product Features

- Sediments from soil erosion
- Water released from industries
- Algae growth

Working Principle

- Turbidity: 90° light scattering
- Chlorine: DPD method

Application

- Drinking water
- Surface water
- Waste water



Product Features

- LCD panel
- User - Friendly Interface
- Ease of operations
- Portable
- Suitable for indoor and outdoor applications
- Wide Range
- High Sensitivity
- Designed to meet ISO 7027.
- NTU (Nephelometric TURBIDITY Unit) measuring unit.
- Wide and auto measurement range : 0 to 1,000 NTU.
- High resolution : 0.01 NTU/1 NTU.
- The unique optics structure, enables the instrument to read low value of
- TURBIDITY to the high level up to 1,000 NTU.
- Four operation buttons and two calibration points, easy operation.
- Jumbo LCD, easy readout.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Battery operated for field and on-site testing convenience.
- Data hold function for freezing the desired value on display.
- Records Maximum and Minimum readings with Recall.
- Heavy duty & compact housing with hard carrying case, designed for easy
- carry out & operation.
- Auto shut off is available to save battery life.
- Application : Test municipal water, food and beverage water, or other
- aqueous solution where fluid clarity is important

A close-up photograph of a hand pouring clear water from a glass into a small, clear plastic bottle. The bottle has a white label with the number '1883' on it. The background is a blurred blue and green.

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Specifications

Circuit Custom one-chip of microprocessor LSI circuit.

Display LCD size	41 mm x 34 mm
Range	0.00 to 50.00 NTU, 50 to 1,000 NTU
NTU	Nephelometric Turbidity Unit
Auto range	
Resolution	0.01 NTU/ 1 NTU
Accuracy	± 5 % F.S. or ± 0.5 NTU, which ever is greater.
Light source	LED, 850 nm.
Detector	Photo diode
Standard Meet	ISO 7027.
Response time	Less than 10 seconds.
Sample volume needed	10 mL.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Display Sampling Time	Approx. 1 second.
Power off Auto shut off	saves battery life or manual off by push button.
Calibration points	0 NTU, 100 NTU.
Operating Temperature	0 to 50
Operating Humidity	Less than 85% R.H.
Power Supply	DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent.
Power Current Stand by	Approx. DC 3.5 mA.
Testing Approx	DC 36 mA.
Weight	320 g/0.70 LB. @ Battery is included.
Dimension	155 x 76 x 62 mm (6.1 x 3.0 x 2.4 inch)
Accessories	Testing bottle with 0 NTU standard solution.....1 PC
Included	Testing bottle with 100 NTU standard solution.....1 PC
	Empty testing bottle.....2 PCs
	Clean cloth.....1 PC
	Clean solution (Distill water).....1 bottle
	Hard carrying case, CA-08.....1 PC



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485
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