Method

Designed for portability and durability, the waterproof CHEMetrics Turbidity Meter is ideal for monitoring turbidity of water in chemical, food, and industrial applications. The microprocessor-based turbidity meter uses an infrared LED light source and delivers unprecedented repeatability and accuracy while offering resolution as low as 0.01 NTU. This light-weight meter is a valuable analytical tool for field-testing and quality control.

Method of Operation.

The turbidity meter is equipped with an infrared LED as its source of light and meets all testing requirements of ISO-7027 (DIN EN 27027) method (Nephelometric Turbidity Units). The wavelength peaks at 850 nm, which provides the required intensity of diffused light even in samples with low turbidity values and also reduces interference from any colors.

The meter determines the sample turbidity level and automatically adjusts to the appropriate measurement range (0-1000 NTU), eliminating guesswork. Pressing the CAL button initiates the quick and simple calibration procedure. The instrument automatically prompts the user for the next calibration standard. The meter comes with four primary calibration standards (0.02, 20.0, 100, and 800 NTU). The meter also comes with three borosilicate sample cuvettes with light-shield caps.

Instrument

Range: 0-1000 NTU	
	Cat#
Turbidity Meter	**I-1300**
Instrument comes in carrying case with calibration standards, cuvettes, four AAA alkaline batteries, and instructions.	

Accessories	
Description	**Cat#**
Turbidity Calibration Set, Shelf-life 8 months Increments: 0.02, 20.0, 100, and 800 NTU	A-0198
Turbidity Cuvettes Pack (3 ea)	A-0181

Instructions are posted on our website.

FEATURES

Measurement Range: 0 to 1000 NTU.

Automatic Range Selection: 0.01-19.99 NTU, 20.0-99.9 NTU, 100-1000 NTU.

Resolution: 0.01 NTU (0-19.99 NTU), 0.1 NTU (20.0-99.9 NTU), 1 NTU (100-1000 NTU).

Accuracy: ±2% of measurement + 1 LSD for 0 to 500 NTU, ±3% of measurement + 1 LSD for 501 to 1000 NTU.

Light Source: Infrared-emitting diode (850 nm wavelength).

Operating Temperature Range: 32°F to 122°F (0 to 50°C).

Power Supply: Four AAA Alkaline batteries (>1200 measurements).

Dimensions: 2.7" width x 6.1" length x 1.8" height (6.8 x 15.5 x 4.6 cm)

Weight: 7 oz. (200 g)

Warranty: 1 year

FEATURES
- Waterproof
- Auto-Ranging
- Push-button calibration
- Advanced power-supply management
- Auto-shutoff

Instruments are manufactured and guaranteed by Oakton Instruments, Inc.