

Turbidity

CyberScan Series 1000



CyberScan TDIR1000 Meter
Infrared Light Source

CyberScan TBDW1000 Meter
White Light Source

- InfraRed or White Light
- Auto-ranging
- Auto-Alert Calibration
- RS 232 Output
- Large, Easy-to-Read Display
- Optional Pour-through Assembly



Slide-out Instruction Card



RS 232 Interface



Quick Connect Light Source



Pour-through Assembly

CYBERSCAN TURBIDIMETER TB1000 SERIES INFRARED AND WHITE LIGHT

The CyberScan TB1000 Series Turbidimeters are designed to meet the stringent requirements of today's scientists.

Using infrared and tungsten white light sources, these meters deliver $\pm 2\%$ full scale accuracy and a resolution of 0.01 NTU#.

These meters are excellent analytical tools for research, quality control and routine measurements.

AUTO-RANGING UP TO 1000 NTU

The meter senses turbidity level of measured sample and automatically adjusts to the appropriate measurement range, eliminating guesswork.

PUSH-BUTTON CALIBRATION WITH AUTO ALERT CALIBRATION PROMPT

Simple calibration procedure is initiated at the touch of buttons and the instrument automatically prompts the user when next calibration is required.

RS232 OUTPUT

Uni-directional RS232 communication interface allows NTU readings (with time and date) to be downloaded to a serial printer or data recorder.

EASY-TO-READ DISPLAY WITH BUILT-IN REAL-TIME CLOCK

The large custom LCD (Liquid Crystal Display) shows the comparative measurements of the current and previous values. Self-diagnostic messages guide and inform users for easy and trouble-free meter operation.

POUR-THROUGH ASSEMBLY

This optional assembly module allows instantaneous sampling through the measurement chamber without having to transfer samples into cuvettes saving time.

ACCESSORIES

Meter is supplied with two empty cuvettes measuring with light shield caps, three secondary standards (0.02, 10.0, 1000 NTU) and cuvette cleansing wipes.

WARRANTY

Eutech Instruments warrants its meter free from manufacturing defects for 2 years from date of purchase.

APPLICATIONS

Drinking water • Waste water treatment • Petrochemical • Electroplating • Beverage production

Note: The CyberScan TB1000 series meet the performance criteria specified by USEPA method 180.1 for NTU measurement and ISO 7027 (IR version).

(#Nephelometric Turbidity Units)

SPECIFICATIONS

CyberScan TB1000 Series	
Principle of Operation	Nephelometric non-ratio
Range	0 to 1000 NTU (Auto-ranging)
Resolution	0.01 NTU (0 to 9.99 NTU) 0.1 NTU (10 to 99.9 NTU) 1 NTU (100 to 1000 NTU)
Accuracy	$\pm 2\%$ of reading ± 0.01 NTU
Repeatability	$\pm 1\%$ of reading ± 0.01 NTU
Calibration	1 to 3 point (automatic)
Response Time	≤ 6 seconds
Sample Volume	30 ml (27 ml minimum)
Light Source	White Light (Tungsten) or Infrared
Real-time clock	Date and time
Output	RS 232
Operating Temperature	0 to 40 °C
Dimensions (L x B x H)	27 x 25 x 10 cm
Weight	2.5 kg
Power requirements	12VDC power adapter, 500mA

ORDERING INFORMATION

Code No.	Item
EC-TBDW1000	CyberScan Turbidimeter (White Light) TB 1000 with EC-TBDWCALKT
EC-TBDIR1000	CyberScan Turbidimeter (InfraRed) TB1000 with EC-TBDIRCALKT
EC-TBDWCALKT	Calibration kit set for EC-TBDW1000 (0.02, 10.0, 1000 NTU)
EC-TBDIRCALKT	Calibration kit set for EC-TBDIR1000 (0.02, 10.0, 1000 NTU)
EC-PORTHASSY	Pour-through assembly
EC-TNGSTNLMP	Tungsten filament lamp module
EC-TBDCUVO3KT	Pack of 3 sample cuvettes
EC-CUVMNTCKT	Cuvette maintenance kit
EC-BATT3032	Internal batteries (set of 2)
EC-MCRO100CBL	RS232 cable for serial printer
EC-120ADA500	120VAC/12VDC power adapter (50/60 Hz, 500mA)
EC-220ADA500	220VAC/12VDC power adapter (50/60 Hz, 500mA)

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