

CyberScan TB 1000

Turbidity

Turbidity
Deluxe Bench &
Waterproof Turbidity Meters

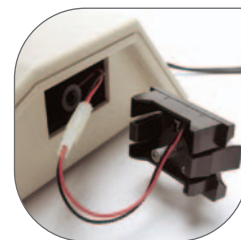
Whether it's field measurements on-the-go or laboratory work with stringent requirements, turbidity measurement is a breeze with Eutech's TN 100 and CyberScan TB 1000 turbidimeters. ISO 7027 compliant and equipped with automatic multi-point push button calibrations, Eutech's auto-ranging turbidity instruments are your assurance to high-quality full-range accuracy every time you measure.

Direct meter-to-PC data transfer through RS232C communication



Quick reference slide-out guide

Pour-through assembly module for instantaneous sampling without the need for cuvettes*



Quick connect light source for low maintenance

CyberScan TB 1000

- Up to 3-point push-button calibration and full-range accuracy of $\pm 2\%$ full scale accuracy
- Auto-ranging
- For fast response and best resolution (up to 0.01 NTU) over wide measurement range
- White light TB 1000 designed to meet US EPA method 180.1 ; infrared TB 1000 designed to meet ISO 7027 and DIN 27027 specifications for turbidity measurements
- Prompts at user-defined interval to ensure regularly scheduled recalibration
- GLP-compliant time/date stamp
- Self-diagnostic

* Optional pour-through assembly accessory (order code: ECPORHASSY)



TN 100

Turbidity

TN 100

- Full range lab-accurate results with 4-point push-button calibration – no need to follow sequential order during calibration
- Rapid meter response requires only 6 seconds for full-step change
- 1200 tests on a single set of AAA batteries with advanced power management design
- Lightweight, waterproof to IP67 standard & floats on water
- US EPA-approved non-formazin standards – more stable and easier to use
- Comes complete in sturdy carry kit with calibration standards, cuvettes, batteries & instruction manual



Large custom-designed LCD




Applications

Ideal for beverage production, drinking water, swimming pool, aquariums, aquaculture and environmental applications.



Turbidity

Turbidity Meters
Specifications
& Ordering Information

Models	CyberScan Deluxe Bench Turbidity Meters		Waterproof Turbidity Meter
	TB 1000W	TB 1000IR	TN 100
Turbidity Meters Specifications			
Measuring Parameter	Turbidity		
Highlights	Turbidity bench, GLP, RS232C		Light weight, IP67 waterproof meter
Principle	Nephelometric non-ratio / ISO7027 compliant		
Range	0 to 1000 NTU		
Automatic Range Selection	0.00 to 9.99 NTU 10.0 to 99.9 NTU 100 to 1000 NTU		0.01 to 19.99 NTU 20.0 to 99.9 NTU 100 to 1000 NTU
Resolution	0.01 NTU (0 to 9.99 NTU) 0.1 NTU (10 to 99.9 NTU) 1 NTU (100 to 1000 NTU)		0.01 NTU (0 to 19.99 NTU) 0.1 NTU (20.0 to 99.9 NTU) 1 NTU (100 to 1000 NTU)
Accuracy	±2 % of reading		±2 % of reading ±1 digit for 0 to 500 NTU ±3 % of reading ±1 digit for 501 to 1000 NTU
Repeatability	≤ ±1 % of reading		
Calibration	1 to 3-points (automatic)		4-points
Calibration Standards	0.02 NTU, 10.0 NTU, 1000 NTU		0.02 NTU, 20.0 NTU, 100 NTU, 800 NTU
Response Time	< 6 secs for full step change		
Sample Volume	30 ml		10 ml
RS232C Output	Yes		–
Light Source	White light (tungsten)	Infra-red	Infrared-emitting diode (850 nm wavelength)
Operating Temperature Range	0 to 40 °C		0 to 50 °C
Sample Temperature Range	0 to 50 °C		
Enclosure Type & Rating	ABS plastic		ABS plastic & IP67 rated
Power	UL, CSA approved 12 V DC adapter		4 x 1.5 V 'AAA' alkaline batteries (>1200 reading)
Dimensions (LxWxH); Weight	Meter Boxed	25.4 x 23.7 x 12.1 cm ; 1550 g 35.5 x 31.5 x 25 cm ; 2380 g	15.5 x 6.8 x 4.6 cm ; 200 g 35.5 x 16.5 x 10.5 cm ; 1160 g

Turbidity Meters												
Item	Order Code	Part No.	Parameter	Light Sources			Accessories					
			Turbidity	White Light	Infra-Red Light	Calibration Kit (ECTBDWCALKT)	Calibration Kit (ECTBDIRCALKT)	Calibration Kit (ECTN100CALKT)	220 VAC Power Adapter	120 VAC Power Adapter	3 Sample Vials	Turbidimeter Carry Case
TB 1000W	ECTBDW100020	01X259106	•	•		•			•			
TB 1000W	ECTBDW100010	01X259105	•	•		•				•		
TB 1000IR	ECTBDIR100020	01X259104	•		•		•		•			
TB 1000IR	ECTBDIR100010	01X259103	•		•		•			•		
TN 100	ECTN100IR	01X357301	•		•			•			•	•

Accessories				
Used With	Description	Order Code	Part No.	
TB 1000W / TB 1000IR	Pack of 3 sample cuvettes	ECTBDCUV03KT	01X265701	
TB 1000W / TB 1000IR	RS232C communication cable	ECMICRO100CBL	30X219502	
TB 1000W / TB 1000IR	110 / 120 VAC power adapter (50 / 60 Hz); 2-flat pin US type, 12 VDC 800 mA	EC120ADA800	60X030110	
TB 1000W / TB 1000IR	220 / 230 VAC Power adapter (50 / 60 Hz); 2-round pin Euro type, 12 VDC 800 mA	EC220ADA800	60X030109	
TB 1000W	Calibration kit set – standard solutions (0.02, 10.0, 1000 NTU)	ECTBDWCALKT	01X265101	
TB 1000W	Tungsten filament lamp module	ECTNGSTNLMP	01X265301	
TB 1000IR	Calibration kit set – standard solutions (0.02, 10.0, 1000 NTU)	ECTBDIRCALKT	01X265102	
TB 1000IR	Infrared lamp module	ECINFRDLMP	01X265302	
TN 100	Calibration kit set – standard solutions (0.02, 20.0, 100, 800 NTU)	ECTN100CALKIT	01X274802	
TN 100	Pack of 3 sample cuvettes	ECTN100CUVKIT	01X274902	
TN 100	Silicone oil (10 ml)	ECSILICONEOIL	01X358701	
TN 100	Internal batteries (pack of 2)	ECBATT3032	01X265901	