

Turbidity

Turbidity Meters
Specifications
& Ordering Information

Turbidity Meters Specifications	CyberScan Deluxe Bench		Waterproof Turbidity Meter Single-Display
	TB 1000W	TB 1000IR	TN 100
			
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	25.4 x 23.7 x 12.1 cm; 1550 g	
	Boxed	35.5 x 31.5 x 25 cm; 2380 g	
		35.5 x 16.5 x 10.5 cm; 1160 g	

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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.
CyberScan TB 1000W / TB 1000IR	Pack of 3 sample cuvettes	ECTBDCUV03KT	01X265701
CyberScan TB 1000W / TB 1000IR	RS232C communication cable	ECMICRO100CBL	30X219502
CyberScan TB 1000W / TB 1000IR	110 / 120 VAC power adapter (50 / 60 Hz); 2-flat pin US type, 12 VDC 800 mA	EC120ADA800	60X030110
CyberScan TB 1000W / TB 1000IR	220 / 230 VAC Power adapter (50 / 60 Hz); 2-round pin Euro type, 12 VDC 800 mA	EC220ADA800	60X030109
CyberScan TB 1000W	Calibration kit set – standard solutions (0.02, 10.0, 1000 NTU)	ECTBDWCALKT	01X265101
CyberScan TB 1000W	Tungsten filament lamp module	ECTNGSTNLMP	01X265301
CyberScan TB 1000IR	Calibration kit set – standard solutions (0.02, 10.0, 1000 NTU)	ECTBDIRCALKT	01X265102
CyberScan 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