



Turbidity measurements made easy

Meter Specifications

Models		Waterproof Portable Single Display	CyberScan Deluxe Bench
		 TN 100	 TB 1000
Measuring Parameter		Turbidity	Turbidity
Highlights		Light weight, IP67 Waterproof portable meter	Turbidity bench, GLP, RS232
Principle		Nephelometric non-ratio / ISO7027 compliant	
Range		0 to 1000 NTU	
Automatic Range selection		0.01 – 19.99 NTU	0.00 to 9.99 NTU
		20.0 – 99.9 NTU	10.0 to 99.9 NTU
		100 – 1000 NTU	100 to 1000 NTU
Resolution		0.01 NTU (0 – 19.99 NTU)	0.01 NTU (0 to 9.99 NTU)
		0.1 NTU (20.0 – 99.9 NTU)	0.1 NTU (10 to 99.9 NTU)
		1 NTU (100 – 1000 NTU)	1 NTU (100 to 1000 NTU)
Accuracy		±2% of reading ±1 LSD for 0 to 500 NTU ±3% of reading ±1 LSD for 501 to 1000 NTU	±2% of reading
Repeatability		≤ ±1% of reading	
Calibration		4 points	1 to 3 points (Automatic)
Response Time		< 6 seconds for full step change	
Sample Volume		10 ml	30 ml
RS232 Output		–	Yes
Power Requirements		4 x 1.5V 'AAA' (>1200 readings)	UL, CSA approved 12V DC Adapter
Light Source		Infrared-emitting diode (850nm wavelength)	White light (tungsten) or infrared
Operating Temperature		0 to 50 °C	0 to 40 °C
Dimensions (LxWxH)	Unit Only	15.5 x 6.8 x 4.6 cm; 200g	25.4 23.7 x 12.1 cm; 1550 g
Weight (kg)	Boxed	1250 g	2340 g

Order Code.	Item
EC-TN100IR	Waterproof TN 100 Infra-Red Turbidimeter (NTU) with calibration kit (EC-TN100CALKT), 3 sample vials (EC-TN100CUVKT) and carrying case
EC-TN100CALKT	Calibration Kit Set for EC-TN100IR (0.02, 10.0, 100, 800 NTU)
EC-TBDIR1000/10	CyberScan TB 1000 Infra-Red Turbidity Bench Meter (NTU) with calibration kit (ECTBDIRCALKT) & 120 VAC power adapter (EC-120ADA800)
EC-TBDIR1000/20	CyberScan TB 1000 Infra-Red Turbidity Bench Meter (NTU) with calibration kit (ECTBDIRCALKT) & 220 VAC power adapter (EC-220ADA800)
EC-TBDW1000/10	CyberScan TB 1000 White Light Turbidity Bench Meter (NTU) with calibration kit (ECTBDWCALKT) & 120 VAC power adapter (EC-120ADA800)
EC-TBDW1000/20	CyberScan TB 1000 White Light Turbidity Bench Meter (NTU) with calibration kit (ECTBDWCALKT) & 220 VAC power adapter (EC-220ADA800)
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)

Turbidity