



# Turbidity measurements made easy

## Meter Specifications

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