



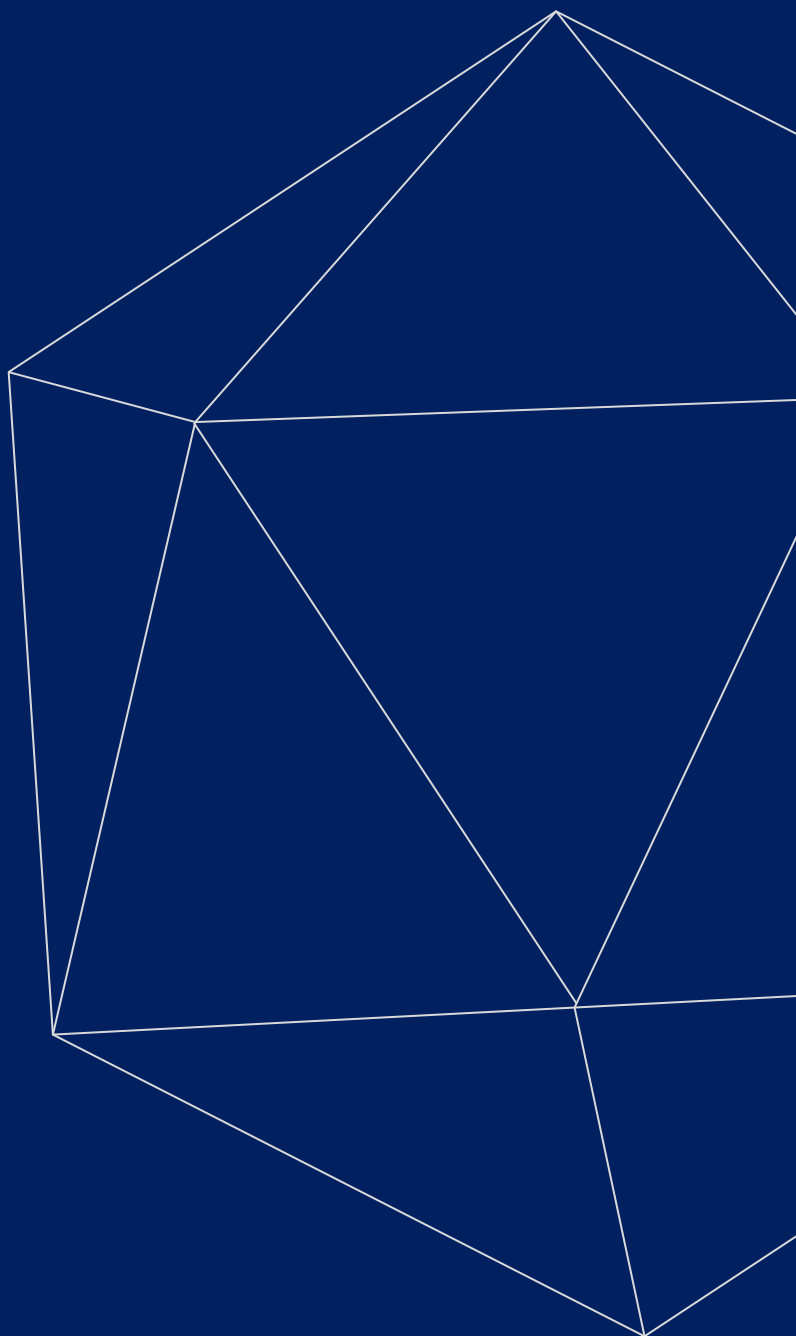
LABORATORY LINES

pH METERS



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Turbidity Meter Model YR01841



It is very important to measure the turbidity of domestic water supplies, as these supplies often undergo some type of water treatment which can be affected by turbidity. For example, during the rainy season when mud and silt are washed into rivers and streams, high turbidity can quickly block filters and stop them from working effectively. High turbidity will also fill tanks and pipes with mud and silt and can damage valves and taps. Where chlorination of water is practiced, even quite low turbidity will prevent the chlorine killing the germs in the water efficiently.

Some treatment systems, such as sediments, coagulators and gravel prefilters are designed to remove turbidity. It is important for operators of both large and small treatment systems to know how well these systems are working. Measuring the turbidity of the water before and after each part of the system can tell the operator where maintenance or cleaning is needed.

Turbidity can be measured using either an electronic turbidity meter or a turbidity tube. Both methods have advantages and disadvantages, as shown below. Turbidity is usually measured in nephelometric turbidity units (NTU) or Jackson turbidity units (JTU), depending on the method used for measurement. The two units are roughly equal.

YR01841 Turbidity Meter

Meter, turbidity standards (0.02, 200, 500, 1000 NTU), sample vials, lint-free cloth and carrying case.

Features:

- ✓ High-performance portable turbidity meter meets the design criteria in ISO 7027

- ✓ 2 to 5 points calibration using the Formazin Standards
- ✓ Selectable 4 turbidity units, including the NTU, FNU, EBC and ASBC
- ✓ Single measurement mode automatically senses and locks a stable reading
- ✓ Continuous measurement mode can be used for indexing or matching the sample vials
- ✓ Auto-Power Off effectively conserves battery life
- ✓ Setup menu allows setting the number of calibration points, resolution, date and time, etc.
- ✓ Reset function automatically resumes all settings back to the factory defaults
- ✓ Expanded memory stores or recalls up to 100 data sets
- ✓ USB communication interface for data transfer or connecting a power adapter to meter

Applications:

- ✓ Drinking water and swimming pool
- ✓ Environmental monitoring and other applications

Accessories

- ✓ Turbidity standards 0.02, 200, 500, 1000 NTU
- ✓ Glass sample vials
- ✓ Lint-free cloth
- ✓ Carrying case

Optional Accessories

- ✓ Sample Vial: Glass body, 60×25mm
- ✓ Turbidity Standard Solutions: 0.02, 200, 500, 1000 NTU



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Turbidity Meter

Model YR01841



Model	YR01841	
Turbidity	Principle	ISO 7027 nephelometric method (90°)
	Range	0-1100 NTU, 0-275 EBC, 0-9999 ASBC
	Resolution	0.01 (0-99 NTU), 0.1 (100-999 NTU), 1 (1000-1100 NTU)
	Accuracy	±2% of reading (0-500 NTU), ±3% of reading (501-1100 NTU)
	Calibration Points	2 to 5 points
	Calibration Standards	0.02, 10, 200, 500, 1000 NTU
Other Specifications	Light Source	Infrared-emitting diode (850nm wavelength)
	Detector	Silicon photodiode
	Stray Light	<0.02 NTU
	Sample Vial	60(H)×25(Dia)mm
	Sample Volume	30mL
	Memory	100 data sets
	Communication Interface	USB
	Operating Temperature	0-50°C
	Display	Custom LCD (60×40mm)
	Power Requirements	3× 1.5V AA batteries or DC5V power adapter
	Dimensions	180 (L)×85 (W)×70 (H)mm
	Weight	300g



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Turbidity Meter

Model YR01842

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Turbidity can be measured using either an electronic turbidity meter or a turbidity tube. Both methods have advantages and disadvantages, as shown below. Turbidity is usually measured in nephelometric turbidity units (NTU) or Jackson turbidity units (JTLJ), depending on the method used for measurement. The two units are roughly equal.

YR01842 Turbidity Meter

Benchtop turbidity meter, 2 to 7 points calibration, selectable four turbidity units.

Features:

- ✓ Standard benchtop turbidity meter is equipped with a 4.5 inches TFT display.
- ✓ 2 to 7 points push-button calibration using the Formazin Standards.
- ✓ Selectable 4 turbidity units, including the NTU, FNU, EBC and ASBC.
- ✓ TSS conversion factor ensures the accurate measurement of the total suspended solids.
- ✓ Continuous measurement mode can be used for indexing and matching the sample vials.
- ✓ Hold function freezes current reading for easy viewing and recording.
- ✓ Password protection prevents the unauthorized calibration and settings.
- ✓ Setup menu allows setting the 9 parameters, including the date and time, measurement mode, resolution, backlight brightness, etc.
- ✓ Expanded memory stores and recalls up to 200 data sets.
- ✓ Stored readings can be transferred into the computer by USB communication interface.
- ✓ Reset feature automatically resumes all settings back to factory default options.

Applications:

- ✓ Industrial wastewater plants
- ✓ Municipal water and other industrial applications

Accessories

- ✓ Turbidity standards 0.02, 200, 500, 1000 NTU
- ✓ Glass sample vials
- ✓ Lint-free cloth
- ✓ DC12V power adapter

Optional Accessories

- ✓ Sample Vial: Glass body, 60×25mm
- ✓ Turbidity Standard Solutions: 0.02, 200, 500, 1000 NTU



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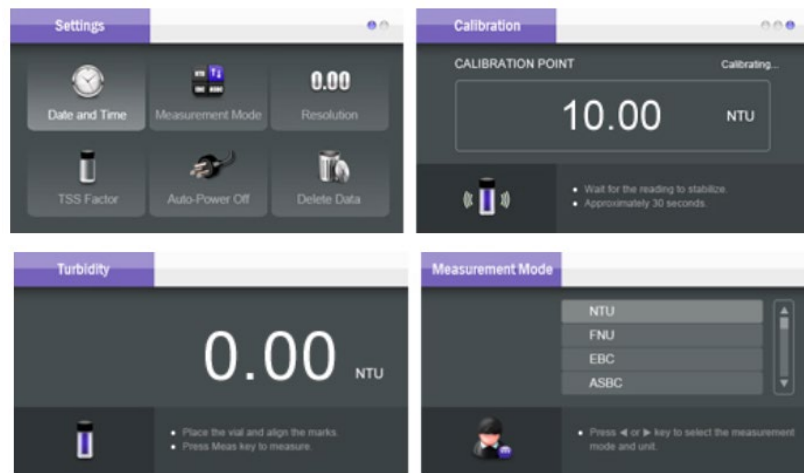


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Turbidity Meter

Model YR01842



	Model	YR01842
Turbidity	Range	0-2000 NTU, 0-500 EBC, 0-9999 ASBC
	Resolution	0.01 (0-99NTU), 0.1 (100-999NTU), 1 (1000-2000 NTU)
	Accuracy	±2% of reading (0-500 NTU), ±3% of reading (501-2000NTU)
	Calibration Points	2 to 7 points
	Calibration Standards	0.02, 10, 200, 500, 1000, 1500, 2000 NTU
TSS	Range	Depending on the TSS conversion factor
	Accuracy	3% of reading
Other Specifications	Light Source	Infrared-emitting diode (850nm wavelength)
	Detector	Silicon photodiode
	Stray Light	<0.02 NTU
	Sample Vial	60 (H)×25 (Dia) mm
	Memory	200 data sets
	Communication Interface	USB
	Operating Temperature	0-50°C
	Display	4.5 inches TFT LCD
	Power Requirements	DC12V, using AC power adapter, 220V/50Hz
	Dimensions	250 (L)×177 (W)×96 (H) mm
Weight	1.2kg	



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