

Turbidity Meter



Model : YR01842

Turbidity Meter

Manufacturer : Kalstein

Price : \$ 1,900.00

Description :

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.

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.

Turbidity Meter

- 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.

Parameters by Model

Turbidity Meter

Model	YR01842
Measurement Method	ISO 7027 nephelometric method (90°)
Turbidity Range	0-2000 NTU/FNU, 0-500 EBC, 0-9999 ASBC
Resolution	0.01 (0-100 NTU), 0.1 (100-999 NTU), 1 (999-2000 NTU)
Accuracy	±2% (0-500 NTU), ±3% (501-2000 NTU)
Turbidity Range	Depends on the conversion factor
Calibration Standards	0.02, 10, 200, 500, 1000, 1500, 2000 NTU
Light Source	Infrared-emitting diode (850nm wavelength)
Detector	Silicon photodiode
Stray Light	< 0.02 NTU
Sample Vials	60(H)×25(Dia.) mm
Power Off	Manual or Automatic (2 hours after last key pressed)
Reset Function	Yes
Memory	Stores up to 200 data sets
Output	USB communication interface
Display	4.5-inch TFT LCD
Power Requirements	DC12V, using AC adapter, 220VAC/50Hz
Dimensions	250(L)×177(W)×96(H)mm
Weight	1.2kg