

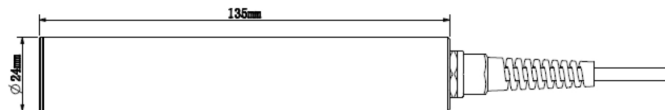
## TUR200 Portable Turbidity Analyzer



Tester



Sensor



### Introduction:

Turbidity refers to the degree of obstruction caused by a solution to the passage of light. It includes the scattering of light by suspended matter and the absorption of light by solute molecules. Turbidity of water is not only related to the content of suspended matter in water, but also related to their size, shape and refraction coefficient.

The organic suspended matter in the water is easy to be anaerobic fermented after deposition, which makes the water quality worse. Therefore, the content of suspended matter in the water should be strictly monitored to ensure the water is clean.

Portable turbidity tester an instrument used to measure the scattering or attenuation of light produced by insoluble particulate matter suspended in water (or a clear liquid) and to quantify the content of such particulate matter. This instrument can be widely used in waterworks, food, chemical industry, metallurgy, environmental protection and pharmaceutical engineering departments, is a common laboratory instrument.

**Technical parameters:**

1. Measuring range: 0.1-1000 NTU
2. Accuracy:  $\pm 0.3$ NTU when 0.1-10NTU; 10-1000 NTU,  $\pm 5\%$
3. Resolution: 0.1NTU
4. Calibration: Standard liquid calibration and water sample calibration
5. Shell Material: Sensor: SUS316L; Housing: ABS+PC
6. Storage Temperature:  $-15\text{ }^{\circ}\text{C} \sim 40\text{ }^{\circ}\text{C}$
7. Operating Temperature:  $0\text{ }^{\circ}\text{C} \sim 40\text{ }^{\circ}\text{C}$
8. Sensor: Size: diameter: 24mm\* length: 135mm; Weight: 0.25 KG
9. Tester: Size: 203\*100\*43mm; Weight: 0.5 KG
10. Protection level: Sensor: IP68; Host: IP66
11. Cable Length: 5 meters (Can be extended)
12. Display: 3.5 inch color display screen with adjustable backlight
13. Data Storage: 8G of data storage space

**Technical Parameters:**

Model	TUR200
Measuring method	Sensor
Measurement range	0.1-1000 NTU
Measurement accuracy	0.1-10NTU $\pm 0.3$ NTU; 10-1000 NTU, $\pm 5\%$
Display resolution	0.1NTU
Calibrating spot	Standard liquid calibration and water sample calibration
Housing material	Sensor: SUS316L; Host: ABS+PC
Storage temperature	$-15\text{ }^{\circ}\text{C}$ to $45\text{ }^{\circ}\text{C}$
Operating temperature	$0\text{ }^{\circ}\text{C}$ to $45\text{ }^{\circ}\text{C}$
Sensor dimensions	Diameter 24mm* length 135mm; Weight: 1.5 KG
Portable host	203*100*43mm; Weight: 0.5 KG
Waterproof rating	Sensor: IP68; Host: IP66
Cable Length	10 meters (extendable)
Display screen	3.5 inch color LCD display with adjustable backlight
Data Storage	8G of data storage space
Dimension	400×130×370mm
Gross weight	3.5KG