

# Portable Turbidity Meter LH-P305



## Introduction

It complies with the double-beam measurement method recommended by the standard "HJ 1075-2019 Determination of water turbidity - Turbidimeter method". Using the 90° scattered light method, with infrared LED and white LED, it can automatically switch between high and low ranges, and the light source has a lifespan of up to 100,000 hours.

## Features

- 1) Comply with standards: Comply with the double-beam measurement recommended by "HJ 1075-2019 Water Quality - Determination of Turbidity - Turbidimeter Method";
- 2) Professional testing: widely used in scientific research institutions, water plant breeding, environmental monitoring, swimming pool testing, water plants and other fields;
- 3) Dual-beam measurement: Two low-range measurement modes of infrared white light are available. The former can provide effective chromaticity compensation, and the latter is more accurate;
- 4) Screen display: Using a 3.5-inch high-definition color screen, readings and operations are clearer;
- 5) Algorithm innovation: nonlinear data processing; using ratio readings to effectively avoid the influence of ambient temperature. Measurement data is stable and reliable;
- 6) Dual-mode value output is more professional: built-in regular mode and signal average mode, the reading method is more professional;

7) Using LED light source is more reliable: using high-intensity and long-life light source to minimize maintenance costs, the light source does not need to be warmed up for a long time before it can work normally;

8) Multi-point calibration: Multi-point calibration can be performed quickly, which is better suitable for various water sample concentrations and has wider applications.

## Specification

Product name	Portable Turbidity Meter	Model	LH-P305
Measurement methods	Ratio measurement technology - 90 degree scattered light + transmitted light	Standards compliant	《HJ 1075-2019 》
Range	(0-2000) NTU	Resolution	0.01NTU < 10NTU
Light source	Infrared LED (860nm); white LED	Measurement mode	(0-40) Low range (0-40) Low range (colored samples) 40-1000 high range; 1000-2000 ultra-high range
Accuracy	±10%	Reading mode	Normal mode, signal average mode
Blank drift value	0.02NTU	Sensitivity	0.01NTU
Data stores	5000	Interface	Type-C
Colorimetric	Φ25mm vial	Display	3.5 inch LCD screen
Instrument size	(224×108×78) mm	Instrument weight	0.55Kg
Instrument power	1W	Operating Voltage	Rechargeable lithium battery or 5V power adapter