

Portable Water Hardness Meter



Features:

- * Features a 4.3-inch color LCD screen with an intuitive GUI graphic navigation and a membrane keypad design. The keys are thin, soft, and highly durable, capable of withstanding over 1 million presses. The layout is rich, intuitive, and easy to understand, guiding users through effortless operation.
- * The instrument is compact, lightweight, operable with one hand, and delivers accurate measurement results.
- * Equipped with large-capacity storage, it can hold over 5,000 sets of experimental data, allowing users to review them freely.
- * A unique high-precision optical filter system ensures greater instrument stability and higher measurement accuracy.
- * The built-in high-capacity lithium battery and advanced charging system provide up to 10 hours of battery life.
- * Utilizes a cold light source with narrow-band interference technology, offering a long service life of up to 20,000 hours.
- * Incorporates the new ultra-compact TSL chip, making the instrument more responsive and providing a large capacity of up to 500M memory.
- * Supports a 9-point calibration curve. Users can create custom curves based on measurement requirements to meet diverse needs.
- * Used with pre-made Lab-yy reagents, it eliminates reagent preparation steps, saving time, reducing the required technical skill, and significantly improving work efficiency.

Introduction:

Portable water hardness meter is used for the rapid and accurate quantitative analysis of calcium and magnesium ion concentrations in water samples. Its core function is to monitor water hardness, which is a critical parameter for assessing water quality. This instrument is widely applied in various fields, including environmental monitoring, wastewater treatment, industrial boiler water control, aquaculture, swimming pool maintenance, and drinking water analysis.

Accessories:

- Meter
- Reagent(50 tests)
- Light shield cap
- Colorimetric tube*4

Technical Parameters:

Model	PH-1000YD
Testing Method	Acidic cadmium lanthanum K photometric method
Range	0-5mg/L
Indication Error	≤8%
Repeatability	≤±3%
Optical Stability	≤0.001 A/10 min
Measurement Time	5 minutes
User-defined Calibration	Supported
Data Storage	Over 5,000 records
Colorimetric Method	Colorimetric tube
Operating Temperature	5-40°C
Operating Humidity	≤85%RH(Non-condensing)
Rated Voltage	DC 5V
Rated Power	10W
Power Requirements	Lithium battery
External Size(W*D*H)	220*100*75mm
Package Size(W*D*H)	350*280*150mm
Net Weight	0.5kg
Gross Weight	2kg