Benchtop Water Hardness Meter

Introduction:

The benchtop water hardness meter utilizes high-precision electrodes combined with intelligent algorithms to rapidly complete detection within a short time, accurately outputting reliable data measured in mg/L. This instrument is widely used in drinking water plants, wastewater treatment, industrial circulating water systems, boiler feedwater applications, aquaculture, and laboratory testing. It serves as a core tool for ensuring water safety, preventing equipment scaling, and optimizing water treatment processes.

Features:

* Equipped with a 7-inch color touch screen and an intuitive GUI graphic navigation system, it aligns with user operation habits for easy adoption.
* Features large-capacity storage, including 5 built-in curves and 195 expandable curves, capable of storing over 5000 experimental data entries for user-friendly access and review.
* Unique high-precision optical filter system ensures enhanced instrument stability and higher measurement accuracy.
* Built-in thermal printer allows printing of current and stored data, saving laboratory space.
* Utilizes a cold light source with narrow-band interference technology, providing a long service life of up to 100,000 hours.
* Powered by the new ARM9 chip, the instrument responds more sensitively and offers a larger capacity of up to 500MB memory.
* Supports USB storage for convenient data transfer and backup.
* Allows users to create custom curves based on measurement needs, with adjustable segment coefficient K for flexible adaptation.
* Compatible with Lab-yy prefabricated reagents, significantly reducing experimental steps, simplifying measurements, and improving data accuracy.
* Detection items comply with national industry standards.

Accessories:

* Meter
* Reagent(50 tests)
* Glass cuvette*4
* Colorimetric tube*10

Technical Parameters:

Model	PH-T1000YD
Testing Method	Acidic cadmium lanthanum K photometric method
Range	0.05~50mg/L
Indication Error	≤8%
Repeatability	≤±5%
Optical Stability	≤0.001 A/10 min
Measurement Time	5 minutes
Light Source Life	100,000 hours
Curve Capacity	Can be set to 200 items
Data Storage	Over 5,000 records
Colorimetric Method	Colorimetric tube/cuvette
Operating Temperature	5~40°C
Operating Humidity	≤85%RH(Non-condensing)
Printer	Built-in thermal printer
Data Communication	USB interface
Rated Power	70W
Power Supply	AC 220V, 50/60Hz
External Size(W*D*H)	450*370*190mm
Package Size(W*D*H)	520*450*300mm
Net Weight	6kg
Gross Weight	8kg