

Multi parameter water quality analyzer LD- LMWA-A12

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Multi parameter water quality analyzer LD-LMWA-A12

Overview

Benchtop Multiparameter Water Quality Meter is an advanced optical path structure design. An imported optical component is used for the detectors. Through the use of two colorimetric techniques - 360° rotation and automatic tank back-and-forth, it significantly increases the detection efficiency of water samples while also boosting data stability and accuracy. Accurate temperature control and menu-based operation are features accompanying full-touch screen digestion device, which is outfitted with an 8-inch IPS high-definition touch color screen and a menu-style interface design running the AOS operating system.

Features:

- 8-inch color touchscreen for intuitive operation and direct data reading
- Imported, stable, and reliable light source with automatic on/off to extend lifespan
- Supports 360° rotating colorimetric tube testing and 4-cell cuvette automatic colorimetric
- Compatible with all routine water quality analysis projects and allows customizable expansion
- Classified standard curves for easy reference, with user-defined editing and one-key calibration
- Real-time data editing, saving, analysis and sharing detection data can be achieved for convenient organization of test results
- Automatic calibration and preheating at startup to ensure accuracy
- Concave blazed holographic grating for fast, precise wavelength switching
- Supports photometric measurement and full-wavelength scanning
- Remote software upgrade capability
- Efficient cooling with a silent, high-volume fan
- Specialized reagents and accessories for simplified operation

Applications:

LD-LMWA-A12 device is widely used in laboratory water quality analysis in a variety of industries, including steel production, education, healthcare, environmental monitoring, and municipalities. Universities, research facilities, sewage treatment facilities, independent testing companies, and engineering corporations all depend on it. It is also essential to the food and dairy sectors, metallurgy, printing and dyeing, petrochemicals, electroplating, and biopharmaceuticals.

Specifications:

Data storage	5 million				
Repeatability	0.2%T				
Digestion time	10/30 minutes				
Resolving power	0.001				
Wavelength Range	190-1100 nm				
Standard Parameters	<table><tr><th>Test project</th><th>Measuring range</th></tr><tr><td>COD</td><td>5-12000</td></tr></table>	Test project	Measuring range	COD	5-12000
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	mg/L</td></tr><tr><td>Ammonia nitrogen</td><td>0.01-200 mg/L</td></tr><tr><td>Total phosphorus</td><td>0.001-16 mg/L</td></tr><tr><td>Total nitrogen</td><td>0.01-100 mg/L</td></tr></table>
Measurement accuracy	?± 5%
Dissolving temperature	165/123 ± 0.5?
Optical path stability	? ±0.002 Abs/h
Batch processing sample	24 pieces/batch
Anti-chlorine interference	{cl-}<1200 mg/l?{cl-}<4000 mg/l