



Portable Multiparameter Water Quality Analyzer LD-LMWA-B10

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Overview

The LD-LMWA-B10 Portable Multiparameter Water Quality Meter is designed for rapid and reliable analysis of multiple water quality parameters in a single measurement. Featuring an advanced electrochemical detection system, it provides accurate, reagent-free testing for field and laboratory applications. Its portable design, intuitive interface, and integrated data management capabilities make it an ideal solution for comprehensive water quality monitoring.

Features:

- Simultaneously measures COD, ammonia nitrogen, pH, dissolved oxygen (DO), conductivity, TDS, chlorophyll, blue-green algae, ORP, and water temperature
- 8-inch full-color touchscreen with an intuitive interface for convenient operation
- Fully digital electrodes ensure rapid response and high measurement accuracy
- Reagent-free electrochemical measurement for environmentally friendly operation
- USB interface with remote firmware upgrade support
- Built-in thermal printer and storage capacity for up to 100,000 test records
- IP68-rated aviation connectors provide reliable waterproof performance
- Rechargeable lithium battery with real-time battery level and voltage monitoring

Applications:

It is widely used in surface water monitoring, municipal sewage treatment, industrial wastewater analysis, environmental protection, emergency water quality inspections, aquaculture, and research laboratories for comprehensive water quality assessment.

Specifications:

pH	Measuring Range : 0–14; Response Time : 15 s; Accuracy : ± 0.1 pH
COD	Measuring Range : 0–300 mg/L; Accuracy : $\pm 10\%$
ORP	Measuring Range : -1999 to $+1999$ mV; Response Time : 15 s; Accuracy : ± 1 mV
TDS	Measuring Range : 0–20,000 mg/L; Accuracy : $\pm 5\%$
Turbidity	Measuring Range : 0–4000 NTU; Response Time : 20 s; Accuracy : $< 8\%$
Net Weight	Main Unit: 6.5 kg; Accessory Box: 3.1 kg
Chlorophyll	Measuring Range : 0–50.0/500.0 $\mu\text{g/L}$; 0–200.0/2000.0 Kcells/mL; Accuracy : $< 8\%$

Temperature	Measuring Range : 0–50°C; Accuracy : ±0.5°C
Conductivity	Measuring Range : 0–2,000,000 µS/cm; Response Time : 15 s; Accuracy : ±1%
Power Supply	DC 24 V ±10%, 20 W Max
Input Voltage	DC 12 V, 10 W Max
Ammonia Nitrogen	Measuring Range : 0.1–200 mg/L; Response Time : 15 s; Accuracy : ±10%
Blue-Green Algae	Measuring Range : 0–200.0/2000.0 Kcells/mL; Accuracy : <8%
Relative Humidity	10 – 90% RH
Measuring Parameters	COD, Ammonia Nitrogen, pH, DO, Temperature, Conductivity, TDS, Chlorophyll, Blue-Green Algae, ORP
Dissolved Oxygen (DO)	Measuring Range : 0–20 mg/L; Response Time : 45 s; Accuracy : ±0.3 mg/L
Dimensions (W × D × H)	460 × 370 × 200 mm