



## **Portable Multiparameter Water Quality Analyzer LD-LMWA-B10**

**Labodam Equipment Ltd.**  
**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Portable Multiparameter Water Quality Analyzer LD-LMWA-B10

## 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:

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

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