

**Dissolved Oxygen Meter  
LMDO50**



## Dissolved Oxygen Meter

### LMDO50

LMDO50 is a professional bench top dissolved oxygen meter designed for laboratory applications. The meter is equipped with a polarographic sensor for measurement of dissolved oxygen concentration or % saturation in water

## SALIENT FEATURES

- ✦ 1 or 2 points auto-calibration (100% in saturated air or air-saturated water, 0% in zero oxygen solution).
- ✦ Automatically compensates salinity and barometric pressure after manual input.
- ✦ Selectable readout in ppm, mg/L or % saturation.
- ✦ Selectable temperature units between degrees Celsius (°C) and degrees Fahrenheit (°F).
- ✦ Automatic Temperature Compensation ensures high accuracy of measurements.
- ✦ Automatic endpoint function freezes the stable measured values for easy reading and recording data.
- ✦ Calibration due reminder prompts you to calibrate the meter regularly.
- ✦ Help message as an operational guide to helps you understand how to use meter.
- ✦ Setup menu lets user customize calibration points, resolution, stability condition of measurements, temperature units, date/time to meet personal preferences.
- ✦ Reset function allows user to returns all settings to the factory default values.
- ✦ Expand memory stores and recalls up to 500 readings.
- ✦ Built-in real-time clock stamps stored data to meets GLP standards.

## Dissolved Oxygen Meter

HSN Code : 90275090

**SPECIFICATIONS**

| Model                          | LMD050                                                     |
|--------------------------------|------------------------------------------------------------|
| Make                           | LABMAN                                                     |
| Dissolved Oxygen Range         | 0.00~20.00mg/L or ppm                                      |
| Resolution                     | 0.1, 0.01 ppm, (Selectable)                                |
| Dissolved Oxygen Accuracy      | ±0.2mg/L or ppm                                            |
| Saturation of Oxygen           | 0.0~200.0%                                                 |
| Resolution                     | 0.1 / 1%, selectable                                       |
| Accuracy                       | ±2.0%                                                      |
| Temperature Range              | 0.0~50.0°C                                                 |
| Temperature Accuracy           | ±0.5°C                                                     |
| Temperature Compensation       | 0~50°C, Automatic                                          |
| Salinity Correction            | 0~50g/L                                                    |
| Barometric Pressure Correction | 60.0~112.5kPa, 450~850mmHg                                 |
| Calibration Points             | 1 or 2 points (100% in air or 0% in zero oxygen solution ) |
| Temperature Compensation       | 0 to 50°C / 32 to 122°F, automatic                         |
| Memory                         | 500 data sets with data & Time                             |
| Display                        | LCD                                                        |
| Hold Function                  | Available                                                  |
| Interface                      | USB                                                        |
| Connector                      | 6-pin mini-DIN                                             |
| Stability                      | Low / High                                                 |
| Power supply                   | DC Adaptor, Using AC 220V,50/60Hz                          |
| Packing Dimensions (LxWxH)     | 310 x 250 x190mm                                           |
| Gross Weight                   | 2kg                                                        |

★ Specifications are subject to change without notice.



**STANDARD ACCESSORIES** : Main Instrument, DO Probe, Probe Membrane Cap, USB Adaptor, Electrode Stand, Electrolyte Solution, Instruction Manual, Test Certificate

## LABMAN Product Range 2025-26

|                                                                       |                                                           |                                                      |                                                    |                                                        |
|-----------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|
| <p>LMFD61, 62, 63, 64</p> <p>Lyophilizer Freeze Dryer (-60°C)</p>     | <p>LMFD83, 84</p> <p>Lyophilizer Freeze Dryer (-80°C)</p> | <p>LMRE25</p> <p>Rotary Evaporator</p>               | <p>ADM3</p> <p>Automatic Density Meter</p>         | <p>MSOD6</p> <p>Microvolume Spectrophotometer</p>      |
| <p>NAE32</p> <p>Nucleic Acid Extractor</p>                            | <p>EMR4</p> <p>Elisa Microplate Reader</p>                | <p>GPTC96</p> <p>Gradient PCR Thermal Cycler</p>     | <p>HO30</p> <p>Hybridization Oven</p>              | <p>UVCL254</p> <p>UV - Crosslinker</p>                 |
| <p>TGH12, 24</p> <p>Tissue Grinder Homogenizer</p>                    | <p>PBH80T</p> <p>Paddle Blender Homogenizer</p>           | <p>TOC2NDIR</p> <p>Total Organic Carbon Analyzer</p> | <p>TOC1CD</p> <p>Total Organic Carbon Analyzer</p> | <p>LMDS600, 1200</p> <p>Microwave Digestion System</p> |
| <p>HPLC1IS, HPLC2GS</p> <p>High Performance Liquid Chromatography</p> | <p>APT1800</p> <p>Automatic Potential Titrator</p>        | <p>KFT250VC</p> <p>Karl Fischer Titrator</p>         | <p>COD1500</p> <p>COD Analyzer with Digestor</p>   | <p>BOD4000</p> <p>BOD Analyzer</p>                     |
| <p>MTVM50</p> <p>Multi Tube Vortex Mixer</p>                          | <p>LMVM60D</p> <p>Vortex Mixer</p>                        | <p>OS20</p> <p>Orbital Shaker</p>                    | <p>TRM6</p> <p>Tube Roller Mixer</p>               | <p>DBNE12, 24</p> <p>Dry Bath Nitrogen Evaporator</p>  |

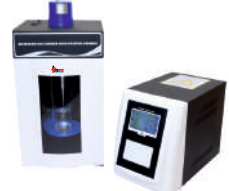
## LABMAN Product Range 2025-26

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| <b>DBI11T</b><br><br><b>Dry Bath Incubator</b>               | <b>DBI15SH, DBI16SC</b><br><br><b>Dry Bath Incubator</b>     | <b>IRS14, 35</b><br><br><b>Infrared Sterilizer</b>       | <b>GGA200</b><br><br><b>Air Generator</b>                                                       | <b>GGA301, 302</b><br><br><b>Hydrogen Generator</b>                        |
| <b>GGN303</b><br><br><b>Nitrogen Generator</b>               | <b>GHA304</b><br><br><b>Hydrogen Air Generator(2 in 1)</b>   | <b>LMVP10</b><br><br><b>Vacuum Pump</b>                  | <b>LMVP20</b><br><br><b>Vacuum Pump</b>                                                         | <b>LMCO1</b><br><br><b>Column Oven</b>                                     |
| <b>LMIO6</b><br><br><b>Mini Thermostatic Incubator</b>      | <b>GHP400</b><br><br><b>Graphite Hotplate</b>               | <b>LOBMS5</b><br><br><b>Oil Bath Magnetic Stirrer</b>   | <b>LMMS4LC, 20LC</b><br><br><b>Ceramic Hotplate Magnetic Stirrer</b>                           | <b>LMMS300</b><br><br><b>Hotplate Magnetic Stirrer</b>                    |
| <b>MMS15S</b><br><br><b>Multiposition Magnetic Stirrer</b> | <b>MMS12H</b><br><br><b>Multiposition Magnetic Stirrer</b> | <b>WBMS3</b><br><br><b>Water Bath Magnetic Stirrer</b> | <b>LMWB2H, 4H, 6H, 8H</b><br><br><b>Digital Water Bath</b>                                     | <b>HOS20L</b><br><br><b>Overhead Stirrer</b>                             |
| <b>LMHH160</b><br><br><b>Hand Held Homogenizer</b>         | <b>PS1565</b><br><br><b>Peltier / Sipper System</b>        | <b>LUV6HG</b><br><br><b>PMT Spectrophotometer</b>      | <b>LUV2000T, 2100T</b><br><br><b>Single / Double Beam UV-Vis. Spectrophotometer with 21CFR</b> | <b>LMSPUV SERIES</b><br><br><b>Double Beam UV-Vis. Spectrophotometer</b> |

## LABMAN Product Range 2025-26

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| <p><b>LMSPUV1200</b></p>  <p>UV-Vis. Single Beam Spectrophotometer</p> | <p><b>LMSPV320, 325</b></p>  <p>Visible Spectrophotometer</p>     | <p><b>ADP100CFR, 95CFR</b></p>  <p>Automatic Digital Polarimeter with CFR</p> | <p><b>ADP45, 50</b></p>  <p>Automatic Digital Polarimeter (±45°)</p> | <p><b>ADP75, 90</b></p>  <p>Automatic Digital Polarimeter (±90°)</p>        |
| <p><b>ADP40</b></p>  <p>Automatic Digital Polarimeter</p>              | <p><b>LMPM180</b></p>  <p>Manual Polarimeter</p>                  | <p><b>MAR100</b></p>  <p>Manual ABBE Refractometer</p>                        | <p><b>RFM100CFR</b></p>  <p>Digital Refractometer CFR</p>            | <p><b>RFM950, 970</b></p>  <p>Digital Refractometer</p>                     |
| <p><b>LMAR1317T</b></p>  <p>ABBE Refractometer</p>                    | <p><b>LMDV300H</b></p>  <p>Digital Viscometer with Thermosel</p> | <p><b>LMDV60, 100, 200</b></p>  <p>Digital Viscometer ( L Series )</p>       | <p><b>LMDV400R</b></p>  <p>Digital Viscometer ( R Series )</p>     | <p><b>LMKV2</b></p>  <p>Krebs Viscometer</p>                               |
| <p><b>LMDV111, 222</b></p>  <p>Digital Viscometer with SSA</p>       | <p><b>LVA30</b></p>  <p>Low Viscosity Adaptor</p>               | <p><b>LMCR80F</b></p>  <p>Visual Colorimeter</p>                            | <p><b>LMUC2D</b></p>  <p>Ultrasonic Cleaner</p>                    | <p><b>LMUC3D, 6D, 9D, 12D, 25D</b></p>  <p>Ultrasonic Cleaner - Degas</p> |
| <p><b>LMUC50, 100</b></p>  <p>Industrial Ultrasonic Cleaner</p>      | <p><b>LMPH15</b></p>  <p>pH Meter with Printer</p>              | <p><b>LMPH12, LMPH10H</b></p>  <p>pH Meter</p>                              | <p><b>LMPH9</b></p>  <p>pH Meter - Basic</p>                       | <p><b>LMCM20H</b></p>  <p>Conductivity / TDS Meter</p>                    |

## LABMAN Product Range 2025-26

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| <p>LMCM20H</p>  <p>Conductivity / TDS Meter</p>          | <p>LMMP30, 32</p>  <p>Multiparameter (7 in 1 / 9 in 1)</p> | <p>LMION40</p>  <p>Ion Meter</p>                   | <p>LMDO50</p>  <p>Dissolved Oxygen Meter</p>                         | <p>LMHD60</p>  <p>Water Hardness Meter</p>           |
| <p>OPH11</p>  <p>Online pH Controller</p>                | <p>OCM21</p>  <p>Online Conductivity Controller</p>        | <p>LMTB200</p>  <p>Turbidity Meter</p>             | <p>RCB1010T, 1020T, 1030T</p>  <p>Refrigerated Circulating Bath</p> | <p>RCB620T</p>  <p>Refrigerated Circulating Bath</p> |
| <p>RWC320</p>  <p>Recirculating Water Chiller</p>       | <p>LMDO4P</p>  <p>Portable DO Meter</p>                   | <p>LMPH1P</p>  <p>Portable pH / ORP Meter</p>     | <p>LMCM2P</p>  <p>Portable Conductivity / TDS Meter</p>             | <p>LMTB5P</p>  <p>Portable Turbidity Meter</p>      |
| <p>PRO656, 900, 1200, 1800</p>  <p>Probe Sonicator</p> | <p>PRO660R</p>  <p>Probe Sonicator with Remote</p>       | <p>PRO650</p>  <p>Probe Sonicator</p>            | <p>LMIF30T, 50T, 100T</p>  <p>Ice Flaker</p>                      | <p>LMIF200T</p>  <p>Ice Flaker</p>                 |
| <p>LMIM15</p>  <p>Ice Maker</p>                        | <p>LMIM20C</p>  <p>Ice Maker with Crusher</p>            | <p>ISE19, 62</p>  <p>Nitrate / Fluoride ISEs</p> | <p>ER SERIES</p>  <p>pH Electrode / DO Electrode</p>               | <p>CC1, CC2, CC3</p>  <p>Conductivity Cell</p>     |