

**pH / ORP Electrodes  
ER SERIES**



## pH Electrode, ORP Electrode

### ER1, ER2, ER3, ER4, ER5, ER6, ER7, ER8

#### Applications

General Purpose. Routine pH measurement.  
for field, School, Lab use, Chemical, Pharmaceutical,  
Petro chemical, Food Industries, Education &  
Research Institutes.

#### SALIENT FEATURES

- ◆ pH Electrode is combination of Glass & Reference & Measures the pH of Aqueous Solution.
- ◆ Inner Reference Type - Ag/AgCl
- ◆ Redox Electrode can use for ORP Measurement



E - Catalogue

HSN Code : 90275090

**SPECIFICATIONS**

Model No.	Electrodes for Specific Application as Below
<b>PH ELECTRODE - ER1</b>	Plastic Type - For General Lab Use Application
<b>PH ELECTRODE - ER2</b>	Plastic Type - For Waste Solution, not suitable for Strong acid / Alkaline Solution Measurement
<b>PH ELECTRODE - ER3</b>	Plastic Type - For High/Low Ionic Concentration sample like rain water, Sea water & Drinking water
<b>PH ELECTRODE - ER4</b>	Plastic Type - Flat Surface for Food, Cheese, Paper, Skin, Meat, Butter, etc...
<b>PH ELECTRODE - ER5</b>	Glass type, Ceramic - Junction- For Strong Acid Alkaline, Organic Solution Measurement
<b>PH ELECTRODE - ER6</b>	Glass type, Ceramic - Junction - For Low Ionic Strength Measurement Solution, like high pure water
<b>ORP ELECTRODE - ER7</b>	Plastic Type - For General Application of ORP (Redox), Milivolt range(Redox) $\pm$ 1000mV, Temp. range: 5° to 60°C
<b>ORP ELECTRODE - ER8</b>	Glass Type - For High temperature Application of ORP (Redox)
<b>DO ELECTRODE - ER9</b>	Milivolt range(Redox) $\pm$ 1000mV, Temp. range: 5° to 90°C, DO electrodes measure the concentration of dissolved oxygen in water or other liquids using an electrochemical sensor.
<b>PH ELECTRODE - ER10</b>	Glass type, Ceramic - Junction - For General Lab Use Application

\*Specifications are subject to change without notice.

**Common :** pH range : 0 to 14.00, Temp.Range : 5° to 60°C , BNC Connector with Cable Length 90cm, Dimension :  $\varnothing$ 12x160 mm

## pH Electrode, ORP Electrode

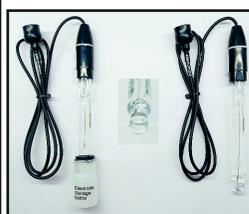
### ER1, ER2, ER3, ER4, ER5, ER6, ER7, ER8



**pH ELECTRODE - ER1**

0-14 pH  
5 -60°C

Plastic Type - For General Lab Use Application



**pH ELECTRODE - ER6**

2-12 pH  
5 -90°C

Glass type, Ceramic - Junction - For Low Ionic Strength Measurement Solution, like high pure water



**pH ELECTRODE - ER2**

0-14 pH  
5 -60°C

Plastic Type - For Waste Solution, not suitable for Strong acid / Alkaline Solution Measurement



**ORP ELECTRODE - ER7**

± 1000mV  
5 -60°C

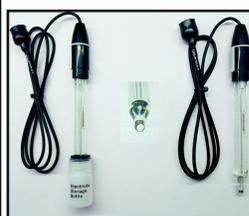
Plastic Type - For General Application of ORP (Redox). Milivolt range(Redox)±1000mV, Temp. range: 5° to 60°C



**pH ELECTRODE - ER3**

0-14 pH  
5 -60°C

Plastic Type - For High/Low Ionic Concentration sample like rain water, Sea water & Drinking water



**ORP ELECTRODE - ER8**

± 1000mV  
5 -90°C

Glass Type - For High temperature Application of ORP (Redox). Milivolt range(Redox)±1000mV, Temp. range: 5° to 90°C



**pH ELECTRODE - ER4**

2-12 pH  
5 -60°C

Plastic Type - Flat Surface for Food, Cheese, Paper, Skin, Meat, Butter, etc...



**DO ELECTRODE - ER9**

0 - 20ppm  
0 -50°C

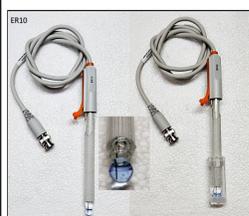
DO electrodes measure the concentration of dissolved oxygen in water or other liquids using an electrochemical sensor.



**pH ELECTRODE - ER5**

0-14 pH  
5 -90°C

Glass Type : Liquid Junction Type - Ceramic or Strong Acid, Alkaline, Organic Solution Measurement



**pH ELECTRODE - ER10**

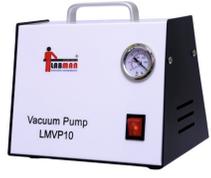
0 - 14 pH  
05 -70°C

Glass type, Refillable( KCl filled) Ceramic Junction - For General Lab Use

## LABMAN Product Range 2025-26

<p><b>LMFD61, 62, 63,64</b></p> <p>Lyophilizer Freeze Dryer (-60°C)</p>	<p><b>LMFD83, 84</b></p> <p>Lyophilizer Freeze Dryer (-80°C)</p>	<p><b>LMRE25</b></p> <p>Rotary Evaporator</p>	<p><b>ADM3</b></p> <p>Automatic Density Meter</p>	<p><b>MSOD6</b></p> <p>Microvolume Spectrophotometer</p>
<p><b>NAE32</b></p> <p>Nucleic Acid Extractor</p>	<p><b>EMR4</b></p> <p>Elisa Microplate Reader</p>	<p><b>GPTC96</b></p> <p>Gradient PCR Thermal Cycler</p>	<p><b>HO30</b></p> <p>Hybridization Oven</p>	<p><b>UVCL254</b></p> <p>UV - Crosslinker</p>
<p><b>TGH12, 24</b></p> <p>Tissue Grinder Homogenizer</p>	<p><b>PBH80T</b></p> <p>Paddle Blender Homogenizer</p>	<p><b>TOC2NDIR</b></p> <p>Total Organic Carbon Analyzer</p>	<p><b>TOC1CD</b></p> <p>Total Organic Carbon Analyzer</p>	<p><b>LMDS600, 1200</b></p> <p>Microwave Digestion System</p>
<p><b>KFT1B</b></p> <p>Karl Fischer Titrator (Basic)</p>	<p><b>APT1800</b></p> <p>Automatic Potential Titrator</p>	<p><b>KFT250VC</b></p> <p>Karl Fischer Titrator</p>	<p><b>COD1500</b></p> <p>COD Analyzer with Digestor</p>	<p><b>BOD4000</b></p> <p>BOD Analyzer</p>
<p><b>MTVM50</b></p> <p>Multi Tube Vortex Mixer</p>	<p><b>LMVM60D</b></p> <p>Vortex Mixer</p>	<p><b>OS20</b></p> <p>Orbital Shaker</p>	<p><b>TRM6</b></p> <p>Tube Roller Mixer</p>	<p><b>DBNE12, 24</b></p> <p>Dry Bath Nitrogen Evaporator</p>

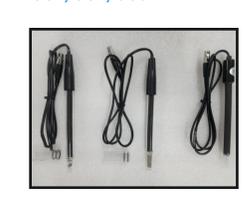
## LABMAN Product Range 2025-26

<p><b>DBI1T</b></p>  <p><b>Dry Bath Incubator</b></p>	<p><b>DBI15SH, DBI16SC</b></p>  <p><b>Dry Bath Incubator</b></p>	<p><b>IRS14, 35</b></p>  <p><b>Infrared Sterilizer</b></p>	<p><b>GGA200</b></p>  <p><b>Air Generator</b></p>	<p><b>GGA301, 302</b></p>  <p><b>Hydrogen Generator</b></p>
<p><b>GGN303</b></p>  <p><b>Nitrogen Generator</b></p>	<p><b>GHA304</b></p>  <p><b>Hydrogen Air Generator(2 in 1)</b></p>	<p><b>LMVP10</b></p>  <p><b>Vacuum Pump</b></p>	<p><b>LMVP20</b></p>  <p><b>Vacuum Pump</b></p>	<p><b>LMCO1</b></p>  <p><b>Column Oven</b></p>
<p><b>LMIO6</b></p>  <p><b>Mini Thermostatic Incubator</b></p>	<p><b>GHP400</b></p>  <p><b>Graphite Hotplate</b></p>	<p><b>LOBMS5</b></p>  <p><b>Oil Bath Magnetic Stirrer</b></p>	<p><b>LMMS4LC, 20LC</b></p>  <p><b>Ceramic Hotplate Magnetic Stirrer</b></p>	<p><b>LMMS300</b></p>  <p><b>Hotplate Magnetic Stirrer</b></p>
<p><b>MMS15S</b></p>  <p><b>Multiposition Magnetic Stirrer</b></p>	<p><b>MMS12H</b></p>  <p><b>Multiposition Magnetic Stirrer</b></p>	<p><b>WBMS3</b></p>  <p><b>Water Bath Magnetic Stirrer</b></p>	<p><b>LMWB2H, 4H, 6H, 8H</b></p>  <p><b>Digital Water Bath</b></p>	<p><b>HOS20L</b></p>  <p><b>Overhead Stirrer</b></p>
<p><b>LMHH160</b></p>  <p><b>Hand Held Homogenizer</b></p>	<p><b>PS1565</b></p>  <p><b>Peltier / Sipper System</b></p>	<p><b>LUV6HG</b></p>  <p><b>PMT Spectrophotometer</b></p>	<p><b>LUV2000T, 2100T</b></p>  <p><b>Single / Double Beam UV-Vis. Spectrophotometer with 21CFR</b></p>	<p><b>LMSPUV SERIES</b></p>  <p><b>Double Beam UV-Vis. Spectrophotometer</b></p>

## LABMAN Product Range 2025-26

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

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<p><b>LMMP30, 32</b></p>  <p><b>Multiparameter (7 in 1 / 9 in 1)</b></p>	<p><b>LMION40</b></p>  <p><b>Ion Meter</b></p>	<p><b>LMDO50</b></p>  <p><b>Dissolved Oxygen Meter</b></p>	<p><b>LMHD60</b></p>  <p><b>Water Hardness Meter</b></p>	<p><b>OPH11</b></p>  <p><b>Online pH Controller</b></p>
<p><b>OCM21</b></p>  <p><b>Online Conductivity Controller</b></p>	<p><b>LMTB200</b></p>  <p><b>Turbidity Meter</b></p>	<p><b>RCB1010T, 1020T, 1030T</b></p>  <p><b>Refrigerated Circulating Bath</b></p>	<p><b>RCB620T</b></p>  <p><b>Refrigerated Circulating Bath</b></p>	<p><b>RWC320</b></p>  <p><b>Recirculating Water Chiller</b></p>
<p><b>LMDO4P</b></p>  <p><b>Portable DO Meter</b></p>	<p><b>LMPH1P</b></p>  <p><b>Portable pH / ORP Meter</b></p>	<p><b>LMCM2P</b></p>  <p><b>Portable Conductivity / TDS Meter</b></p>	<p><b>LMTB5P</b></p>  <p><b>Portable Turbidity Meter</b></p>	<p><b>PRO656, 900, 1200, 1800</b></p>  <p><b>Probe Sonicator</b></p>
<p><b>PRO660R</b></p>  <p><b>Probe Sonicator with Remote</b></p>	<p><b>PRO650</b></p>  <p><b>Probe Sonicator</b></p>	<p><b>PROBE</b></p>  <p><b>Probe 2mm to 22mm</b></p>	<p><b>LMIF30T, 50T, 100T</b></p>  <p><b>Ice Flaker</b></p>	<p><b>LMIF200T</b></p>  <p><b>Ice Flaker</b></p>
<p><b>LMIM15</b></p>  <p><b>Ice Maker</b></p>	<p><b>LMIM20C</b></p>  <p><b>Ice Maker with Crusher</b></p>	<p><b>ISE19, 62</b></p>  <p><b>Nitrate / Fluoride ISEs</b></p>	<p><b>ER SERIES</b></p>  <p><b>pH Electrode / DO Electrode</b></p>	<p><b>CC1, CC2, CC3</b></p>  <p><b>Conductivity Cell</b></p>