

# Benchtop pH/ORP Meter LX1BPO series



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Benchtop pH/ORP meter are microprocessor-based meters that measures hydrogen-ion activity in water-based solutions. Automatic or manual temperature compensation provides high accuracy results. Provision for 1-3 point automated push button calibration. Meter factory reset function to reset factory default settings and data logs.

### Features

- Platinum band ORP sensor (LX12BPO)
- Automatic calibration of RmV function
- Auto-sleep function
- Segmented display for pH, mV and temperature
- Electrode slope display for user interpretation
- Low battery indicator
- Self-diagnostic trouble shoot
- USB communication interface via data transfer (output)

### Application

Used for basic laboratory analysis, soil and water quality test, oxidation-reduction potential (ORP) measurement, blood chemistry, etc.

**Specification**

<b>Model No</b>	<b>LX100BPO</b>	<b>LX101BPO</b>	<b>LX102BPO</b>
pH range	0 ~ 14 pH	0 ~ 14 pH	0 ~ 14 pH
pH resolution	0.01 pH	0.01 pH	0.01 pH
Electrode	Glass pH (LX1000)	Glass 3-in-1 pH (LX1005)	Glass ORP (LX1010)
Electrode temperature range	5 °C ~ 60 °C	5 °C ~ 60 °C	5 °C ~ 90 °C
pH accuracy	± 0.01 pH	± 0.01 pH	± 0.01 pH
ORP range/RmV	± 1999 mV/RmV	± 1999 mV/RmV	± 1999 mV/RmV
ORP resolution	1 mV	1 mV	1 mV
ORP accuracy	± 2 mV	± 2 mV	± 2 mV
Temperature range	0 ~ 99.9 °C	0 ~ 99.9 °C	0 ~ 99.9 °C
Temperature resolution	0.1 °C	0.1 °C	0.1 °C
Temperature accuracy	± 0.5 °C	± 0.5 °C	± 0.5 °C
Ambient temperature	5 °C ~ 45 °C	5 °C ~ 45 °C	5 °C ~ 45 °C
Input connector type	BNC	BNC	BNC
Input connector diameter	3.5 mm	3.5 mm	3.5 mm
Power	100 V ~ 240 V	100 V ~ 240 V	100 V ~ 240 V
	DC 9 V	DC 9 V	DC 9 V
	500 mA	500 mA	500 mA
pH buffer set	USA, NIST, DIN, Manual	USA, NIST, DIN, Manual	USA, NIST, DIN, Manual
Memory	500 sets	500 sets	500 sets

**Electrode specifications (LX100BPO)**

Electrode	Glass pH (LX1000)
Electrode pH range	0 ~ 14 pH
Electrode temperature range	5 °C ~ 60 °C
Electrode dimensions	12 mm x 165 mm
Electrode liquid junction	Ceramic
Electrode reference junction	Single / Refillable
Electrode internal type	Ag/AgCl

**Electrode specifications (LX101BPO)**

Electrode	Glass 3-in-1 pH (LX1005)
Electrode pH range	0 ~ 14 pH
Electrode temperature range	5 °C ~ 60 °C
Electrode dimensions	12 mm x 165 mm
Electrode liquid junction	Ceramic
Electrode reference junction	Single / Sealed
Electrode internal type	Ag/AgCl

**Electrode specifications (LX102BPO)**

Electrode	Glass ORP (LX1010)
Electrode pH range	0 ~ 14 pH
Electrode temperature range	5 °C ~ 90 °C
Electrode dimensions	12 mm x 165 mm
Electrode liquid junction	Ceramic
Electrode reference junction	Double / Refillable
Electrode internal type	Ag/AgCl