

# Portable pH/ORP Meter LX1PPO series



Portable pH/ORP meter are microprocessor-based meter that measures the 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. It features auto-off conservation of energy that lengthens battery lifespan.

### Features

- Platinum band ORP sensor (LX102PPO)
- 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

Model No	LX100PPO	LX101PPO	LX102PPO
pH range	0 ~ 14 pH	0 ~ 14 pH	0 ~ 14 pH
pH resolution	0.01 pH	0.01 pH	0.01 pH
Electrode	Plastic pH (LX6000)	Plastic pH (LX6005)	Plastic pH (LX6010)
Electrode liquid junction	Fiber	Teflon	Fiber
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 (LX100PPO)**

Electrode	Plastic pH (LX6000)
pH range	0 ~ 14 pH
Temperature range	5 °C ~ 60 °C
Dimensions	12 mm x 160 mm
Liquid junction	Fiber
Reference junction	Single / Sealed
Internal reference type	Ag/AgCl

**Electrode specifications (LX101PPO)**

Electrode	Plastic pH (LX6005)
pH range	0 ~ 14 pH
Temperature range	5 °C ~ 60 °C
Dimensions	12 mm x 160 mm
Liquid junction	Teflon
Reference junction	Single / Sealed
Internal reference type	Ag/AgCl

**Electrode specifications (LX102PPO)**

Electrode	Plastic pH (LX6010)
pH range	0 ~ 14 pH
Temperature range	5 °C ~ 60 °C
Dimensions	12 mm x 160 mm
Liquid junction	Fiber
Reference junction	Single / Sealed
Internal reference type	Ag/AgCl