



 LABTRON

# Benchtop pH Meter

LBPM-A Series

## Benchtop pH meter LBPM-A1 series

Benchtop pH meter LBPM-A1 series with 0.0 to 14.00 pH range is suitable for daily measurements, testing. Automatic calibration can be performed at 2 points using standard USA or NIST pH buffers. It offers automatic or manual temperature compensation of pH measurements. The pH meter with sleek design has easy to read backlit LCD screen that display pH measurements & temperature simultaneously.

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### Features

- » Equipped with white backlit LCD display
  - » pH measurement range 0.0 to 14.00 pH
  - » 2 points calibration to automatically identify pH buffer
  - » Automatic electrode slope display, helps the operator when to replace the sensor
  - » Automatic temperature compensation for accurate measured value over the entire range
  - » Universal BNC connector
  - » Built-in solution holder
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### Applications

The benchtop pH meter can be used for daily measurement of pH & temperature at schools, colleges & research laboratories & water testing plants.

## Specifications

Model no.	LBPM-A10	LBPM-A11
pH measurement range	0.00 to 14.00 pH	
pH accuracy	± 0.05 pH	± 0.01 pH
pH resolution	0.01 pH	
Calibration points	2 points	
Calibration solutions	USA (pH 4.0/7.00/10.01), NIST (pH 4.01/6.86/9.18)	USA (pH 4.0/7.00/10.01)
Temperature compensation	0 to 100°C	
Compensation mode	Manual	Manual or automatic
mV range	-1999 to 1999 mV	
mV accuracy	±10mV	±1mV
mV resolution	1 mV	
Temperature range	-	0 to 100°C, 32 to 212°F
Temperature accuracy	-	±1°C
Temperature resolution	-	1°C
Connector	BNC	
Display	LCD	
Dimension (L*W*H)	210×205×65 mm	
Weight	1.5 kg	
Power	DC9V, AC adapter, AC220V /50Hz	

### Standard accessories

- pH electrode
- Temperature probe
- pH buffer solutions (pH 4.0/7.00/10.01),
- DC9V power adapter

### Optional accessories

- pH buffer solutions USA (pH 4.0/7.00/10.01), NIST (pH 4.01/6.86/9.18)
- Temperature sensor
- pH probe for suitable measuring e.g. (pure water, liquids, semisolids substance)

## Benchtop pH meter LBPM-A20

Benchtop pH meter LBPM-A20 is a high performance pH meter with large LCD display to read pH & temperature measurements. With -1.00 to 15.00 pH range it is suitable for daily measurement of pH in research laboratories as well as water quality testing units. Automatic calibration can be performed at 1-3 points using standard USA or NIST pH buffers. It offers automatic or manual temperature compensation of pH measurements.

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### Features

- » Equipped with white backlit LCD display
  - » pH measurement range: -1.00 to 15.00 pH
  - » 1-3 points calibration to automatically identify standard pH buffer
  - » Automatic electrode slope display helps operator whether to replace the sensor
  - » Automatic temperature compensation for accurate measured value over the entire range
  - » Auto hold function freezes stable, final readings for better viewing and recording
  - » Manual temperature calibration to rectify the deviations in temperature
  - » Universal BNC connector
  - » Built-in solution holder
  - » Reset function automatically resumes all the setting back to factory default options
  - » Selectable temperature units ( $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ ) for different application requirements
  - » Help message as an operational guide, helps users for quick access to the parameters
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### Applications

Benchtop pH meter is used for research education purpose, quality testing in water and waste water management plants, food and beverage industry & other liquids & solvents.

## Specifications

Model no.	LBPM-A20
pH measurement range	-1.00 to 15.00 pH
pH accuracy	± 0.01 pH
pH resolution	0.01 pH
Calibration points	1-3 points
Calibration solutions	USA (pH 4.0/7.00/10.01), NIST (pH 4.01/6.86/9.18)
Temperature compensation	0 to 100°C, 32 to 212°F
Compensation mode	Manual or automatic
mV range	-1000 to 1000 mV
mV accuracy	±1mV
mV resolution	1 mV
Temperature range	0 to 105°C, 32 to 221°F
Temperature accuracy	±1°C
Temperature resolution	0.1°C
Hold function	Manual or automatic endpoint detection
Power off	Manual or automatic (180 minutes after last key is pressed)
Reset function	Yes
Connector	BNC
Display	LCD
Dimension (L*W*H)	210×205×75 mm
Weight	1.5 kg
Power	DC9V, AC adapter, AC220V/50Hz

### Standard accessories

- pH electrode
- Temperature probe
- pH buffer solutions (pH 4.0/7.00/10.01)
- DC9V power adapter

### Optional accessories

- pH buffer solutions USA (pH 4.0/7.00/10.01), NIST (pH 4.01/6.86/9.18)
- Temperature probe
- pH probe suitable for various measurements (e.g. liquids, biofuels, Tris buffers, slurries, colloids, micro volume samples etc.)