

PH/ORP

HANDHELD PH METER - PH220

Liquid Analysis

Measurement & Monitoring



FEATURES

- ✓ 3-points push-button calibration with auto-buffer recognition
- ✓ Auto temperature compensation
- ✓ Auto electrode slope display
- ✓ Large LCD display
- ✓ Data hold function freeze current reading for easy viewing
- ✓ Built-in real-time clock stamps stored data to meet GLP standard
- ✓ User friendly, easy maintenance

DESCRIPTION

The pH220 handheld pH meter completed with pH electrode, temperature probe, pH buffer solutions (pH 4.01 / 7.00 / 10.01), battery and carrying case. It is an economy portable pH meter equipped with a large LCD display for easy viewing. The Automatic Temperature Compensation (ATC) circuit built inside the equipment will eliminate any possibility of having errors arising from changes in the temperature of the measured solution.

The meter is suitable for measuring pH and milivolts of samples. It enables 3-points push-button calibration with auto-buffer recognition. The automatic electrode slope display helps user to refer when to replace sensor.

TECHNICAL FEATURES

pH

Range	-2.00 to 20.00 pH
Resolution	0.01 pH
Accuracy	±0.01 pH
Calibration	1 to 3 points
pH buffer options	USA (pH 4.01 / 7.00 / 10.01)

mV

Range	-1999 to 1999 mV
Resolution	1 mV
Accuracy	±1 mV

Temperature

Range	0 to 105 °C
Resolution	0.1 °C
Accuracy	±0.5 °C
Calibration	1 point
Calibration range	Reading ±10°C



COMPLETE ACCESSORIES



pH meter



Electrode clip



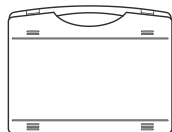
pH electrode



Temperature probe



pH buffer solutions



Carrying case

TECHNICAL FEATURES

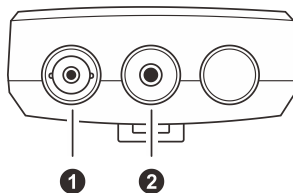
pH Meter (cont.)

Temperature compensation	0 to 100 °C, manual or automatic
Hold function	Manual / Auto-read measurement endpoint
Auto-Power off	30 minutes after last key pressed
Memory	Stores up to 100 data sets
Output	USB communication interface
Connector	BNC, 3.5 mm jack socket
Display	Custom LCD (80 × 60 mm)
Power supply	3 × 1.5V AA batteries or 5V DC power adapter
Battery life	Approximately 150 hours without backlight
Environmental conditions	0 to 50°C relative humidity < 80%
Dimensions	170 × 85 × 30 mm
Weight	300 g

pH Electrode

Range	0 to 14 pH
Response time	95% response in 30 seconds
Operating temperature	0 to 60 °C
Reference	AgCl, single junction
Liquid junction	Fiber
Body type	Epoxy
Cable length	1 m
Connector	BNC
Dimensions	120 × 12(Ø) mm
Weight	70 g

DIMENSION/DRAWING



- 1) BNC connector for pH electrode
- 2) Phone jack for temperature probe

