

OAKION®

PH550 Benchtop pH Meter



1 Brief Introduction

Thank you for purchasing Oakton Instruments PH550 Benchtop pH meter.

This instrument is an outstanding combination of advanced electronics design and sensor technology. It's the most economical choice of a reliable lab-grade benchtop pH meter. Please read this manual carefully to properly use and maintain the meter. Oakton Instruments reserves the right to update the contents of this manual without giving prior notices.

1.1 Main Features

- The meter has a built-in microprocessor chip, which enables intelligent functions such as automatic calibration, automatic temperature compensation, data storage, parameter setup, max/min reading display, etc.
- The advanced automatic calibration mode has calibration guide and self-diganosis functions, automatically recognizing standard buffer solutions (USA or NIST series).
- The advanced digital processing technology intelligently improves the meter's response time and measuring accuracy with stable reading display mode available.
- The kit comes with a 3-in-1 combination pH Electrode, measuring pH and temperature simultaneously.
- IP54 dustproof and spillproof. Connectors are protected by silicone seal caps, effectively ensuring the reliability and service life of the meter under harsh environment.
- Detachable electrode holder and 3 bottles of pH buffer solutions come with the kit for convenient use.

2 Technical Specifications

pH	Range	0 to 14.00 pH
	Resolution	0.01/0.1 pH
	Accuracy	±0.01 pH ±1 digit
	Temperature Compensation	0 to 100 °C (Auto or Manual)
	Calibration	1 to 3 points automatic calibration
mV	Range	-1999 mV - 0 - 1999 mV
	Resolution	1 mV
	Accuracy	±0.1% F.S ±1 digit
Temp.	Range	0 to 100°C; 32 to 212°F
	Resolution	0.1°C; 0.1/1°F
	Accuracy	±0.5°C ±1 digit
Others	Data Storage	50 groups
	Storage Content	Numberings, Measurement, Unit, Temperature, Temperature Compensation Status
	Power	DC9V/300mA
	IP Ratings	IP54 dustproof and spillproof
	Size and Dimension	(240*235*103) mm/1kg



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.