

# OAKION®

## PH550 Benchtop pH Meter



**ISO 9001:2008**

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## 1 Brief Introduction

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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.

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## 2 Technical Specifications

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|        |                          |                                                                             |
|--------|--------------------------|-----------------------------------------------------------------------------|
| 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                                                        |



# WolfLabs

**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.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

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