PHOENIX Instrument

Lab Solutions

New portable pH-meter EC-22-pH and EC-27-pH

Phoenix Instrument is proud to present a new generation of portable measuring instruments that combines the highest precision with modern design. Developed for use in both laboratory settings and demanding outdoor conditions, these instruments feature a waterproof construction and a compact, elegant design.

The development of this innovative series has been significantly shaped by a combination of many years of technical experience, valuable input from the field, and the ever-growing demands of users. The result is a well-designed measuring instrument that brings functionality and user-friendliness to the highest level.

A large, high-resolution, backlit TFT display allows for a display of multiple parameters simultaneously. Intuitive operation ensures an efficient workflow, while selected models are equipped with advanced features such as an integrated data logger and a state-of-the-art USB-C interface for easy data transfer to a PC.

2 Years
Instrument Warranty

EC-22 pH

- High-resolution, backlit TFT display
- Rugged, waterproof design (IP-65)
- DHS function, automatic detection of DHS and analog sensors
- Automatic calibration with up to 3 points, 2 user-defined points
- Automatic ORP 1-point calibration
- Simultaneous display of measured values
- Manual or automatic temperature compensation
- Memory for up to 100 data points
- Supplied in a sturdy carrying case with all accessories

EC-27 pH

- High-resolution, backlit TFT display
- Rugged, waterproof design (IP-65)
- DHS function, automatic detection of DHS and analog sensors
- Automatic calibration with up to 5 points, 2 user-defined points
- Automatic ORP 1-point calibration
- Simultaneous display of up to 4 measured values
- Manual or automatic temperature compensation
- Manual and automatic Data logger, up to 1000 Data
- Individual labeling of measurement data (sensor ID / user ID / sample ID)
- 5 selectable operating languages
- Supplied in a sturdy case with all accessories



EC-27 pH

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Available Sets

EC-22-pH-0	Meter without electrode, incl. Temperature sensor, cable S7/BNC, pH-buffer, carrying case and accessories
EC-22-pH-1	Meter with pH-electrode 201T, pH-buffer, carrying case and accessories
EC-22-pH-5	Meter with pH-electrode 201T DHS, pH-buffer, carrying case and accessories
EC-27-pH-0	Meter w/o pH-electrode, incl Temperature sensor, cable S7/BNC, pH-buffer, carrying case, accessories, Software PC-Link, USB-cable
EC-27-pH-1	Meter with pH-electrode 201T and pH-buffer, carrying case, accessories, Software PC-Link, USB-cable
EC-27-pH-5	Meter with pH-electrode 201T DHS and pH-buffer, carrying case, accessories, Software PC-Link, USB-cable

Accessories

1001612	Power Supply for EC-27pH
1000962	Softcase with adjustable shoulder strap
1001312	pH-mV Simulator incl. BNC-Cable



Set with case

Technical data	EC-22 pH	EC-27 pH
Measuring Range (pH)	0.00 - 14.00	-2.00 - 16.00
Resolution (pH)	0.1 / 0.01	0.1 / 0.01 / 0.001 / 0.005
Calibration Points	1-3	1-5
Buffer recognition	USA, NIST and user defined	USA, NIST and user defined
Measuring Range (mV)	±1,000	-1,000 … +1,900
Resolution (mV)	1	1 / 0.1
Measuring Range (T)	0 … 100.0 °C	-10 … 110.0 °C
Resolution (T)	0.1°C	0.1°C
GLP	No	Yes
Calibration alarm	No	Yes
Memory	100 Data	1,000 Data
Interface	No	USB-C
IP-Class	IP 65	IP 65
Dimension (mm)	75 x 160 x 45	75 x 160 x 45
Weight (gr)	320	320
Weight	2 years	2 years

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