

New portable Multimeter EC-22-multi and EC-27-multi

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.

EC-22 multi

- 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
- 2-Ring Conductivity cell, (c = 0,1 – 1 – 10)
- 3 selectable cell constant
- Automatic calibration up to 4 points, 1 user-defined point
- Manual or automatic Temperature compensation
- Selectable Reference temperature (15...30 °C)
- Measurement of Conductivity, TDS, Salinity and Temperature
- Simultaneous display of measuring values
- Manual memory of up to 100 Data
- Delivery in a sturdy carrying case with all accessories

EC-27 multi

- High-resolution, backlit TFT display
- Rugged, waterproof design (IP-65)
- 2-Ring LF-Cell, (c = 0,1 – 1 – 10)
- Automatic Calibration up to 4 points, 1 user-defined point
- Manual or automatic Temperature compensation
- Selectable Referencetemperatura (15...30 °C)
- Measurement of Conductivity, TDS, Salinity and Temperature
- Simultaneous display of 4 measuring values
- Manual memory of 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

2 Years Warranty



EC-27 multi



New portable Multimeter EC-22-multi and EC-27-multi

Available Sets

- EC-22-multi 0** Meter w/o pH-electrode, incl. Cond.-cell 2301T, Temperature sensor, Cable S7/BNC, Cal.-standards, Carrying case and accessories
- EC-22-multi 1** Meter with pH-electrode 201T and Cond-cell 2301T, Calibration standards, Carrying case and accessories
- EC-22-multi 5** Meter with pH-electrode 201T DHS and Cond.-cell 2301T, Calibration standards, Carrying case and accessories
- EC-27-multi 0** Meter w/o pH-electrode, incl. Cond.-cell 2301T, Temperature sensor, Cable S7/BNC, Cal.-standards, USB cable, Software PC-link, Carrying case and accessories
- EC-27-multi 1** Meter with pH-electrode 201T and Cond-cell 2301T, Calibration standards, USB cable, Software PC-Link, Carrying case and accessories
- EC-27-multi 5** Meter with pH-electrode 201T DHS and Cond.-cell 2301T, Calibration standards, USB cable, Software PC-link-Carrying case and accessories



Set with case

Technical Data	EC-22 multi	EC-27 multi
Measuring Range (pH)	0.00 – 14.00	-2.00 – 16.00
Resolution/Accuracy (pH)	0.1 - 0.01 / 0.02	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 (Cond)	0.01 µS/cm ... 200 mS/cm	0.01 µS/cm ... 500 mS/cm
Resolution (Cond)	0.01 / 0.1 / 1 µS/cm	0.01 / 0.1 / 1 µS/cm
Measuring Range (Salinity)	0.1 ppm ... 100 ppt	0.1 ppm ... 100 ppt
Measuring Range (TDS)	0.1 mg/l ... 200 g/l	0.1 mg/l ... 500 g/l
Conversion factor	Linear (0.4 ... 1)	Linear (0,4 ... 1) / NaCl / KCl / 442
Measuring Range (Temp)	0 ... +100 °C	-10 ... +110 °C
Resolution/Accuracy (Temp)	0.1 / ± 0.5 °C	0.1 / ± 0.5 °C
Calibration Points	1...4	1...5
Cal. Standards	84, 1413 µS / 12.88, 111.8 mS and user defined	5.00 µS / 84, 1413 µS / 12.88, 111.8 mS and user defined
GLP	No	Yes
Cal. alarm	No	Yes
Memory	100 Data	1000 Data
Interface	Non	USB-C
IP-Class	IP 65	IP 65
Dimension	75 x 160 x 45 mm	75 x 160 x 45 mm
Warranty	2 Years	2 Years

Accessories

- 1001612** Power Supply for EC-27pH
- 1000962** Softcase with adjustable shoulder strap

