PHOENIX Instrument

Lab Solutions

Professional Benchtop Multiparameter Meter EC-45 multi

The large colored graphic display shows all necessary information about measurement, calibration, standards, cell condition, GLP. Anyone can use this meter easily with its intuitive menu available in up to 5 languages.

The new DHS-technology allows the use of digital as well as analog electrodes. Up to 5-point pH-calibration and up to 4-point Conductivty calibration with automatic recognition of all standards. Icon support for all calibration functions and advanced electrode diagnostics.

All functions can be controlled in an intuitive and easy way. The instrument can be delivered with a stirrer.

3 Years
Instrument Warranty



EC-45 multi with Stirrer (optional)

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Lab solutions

Professional Benchtop Multiparameter EC-45 multi

EC-45 multi

- Display pH/mV,COND/TDS, Salinity and Temperature simultaneously
- Resolution: 0.1-0.001 pH; Auto range for Cold
- GLP-conform
- Selectable cell constant allows for use with 2 plate cell
- Large colored graphic display with indication of Calibration Buffers and measurement's stability
- Indication stability of the measurement with icon
- Memory with re-call of last calibration date and time and information of electrode's life
- CAL DUE: set of calibration frequency for high quality of measurements
- Stability Parameter (Low-Med-High) for high accuracy measurement
- Non-volatile memory holds up to 1,000 data points with date and time in automatic (Data logger) or manual
- 2 x USB ports to transfer data at PC or printer and for external keyboard
- Software PC-Link to download data (included)
- external keypad
- Instrument can be delivered with magnetic stirrer
- IP54 protection

3 Years
Instrument Warranty



Available Sets

EC-45-multi-2

Kit without pH electrode and cell, with cable S7/BNC, temp. probe NT55, pH buffer solution pH 7 and pH 4, conductivity solution 1413 µS and 12,88 mS, DHS-function, Keypad and accessories, **with magnetic stirrer**

EC-45-multi-3

Kit included pH electrode XS STANDARD S7, 1 mt cable S7/BNC, cell glass VPT 80/1 with ATC, DHS-function, pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 µS and 12,88 mS, keypad and accessories, **with magnetic stirrer**

EC-45-multi-5

Kit included pH electrode XS STANDARD-DHS S7, 1 mt cable S7/BNC, cell glass VPT 80/1 with ATC, DHS-function, pH buffer solution pH 7 and pH 4, standard conductivity solution 1413 µS and 12,88 mS, keypad and accessories, **with magnetic stirrer**

Technical Data	EC-45 multi
Measuring range	-2 … 20 pH
Accuracy	0.1 / 0.01 / 0.001 pH
Buffer	1 … 5 /USA, NIST, DIN, User
Calibration points	1 … 5
Buffer recognition	yes
Meas. range	± 2,000 mV
Accuracy	0.1 / 1 mV
Meas. range	-20.0 … 120.0 °C
Accuracy	± 0.5 °C
DHS-Electrode	yes
Meas. range cond	0.00 - 20.00 - 200.0 - 2,000 µS
	2.00 - 20.00 - 200.0 - 1,000 mS
Accuracy cond	Automatic full scale
Buffer	84, 1413 µS, 12.88, 111.8 mS, User
Calibration points	1 … 4, user
Selectable cell constant	0.1 – 1 – 10 cm^{-1}
Reference temperature	15 … 30 °C
Temp. compensation	0.00 … 100.0 °C
TDS-Meas. range	0 … 500 g/l
TDS-Factor	0.40 … 1.00
Salinity	0.01 … 100 ppt
Resistivity	0 … 20 MΩ
Memory	1,000 data
Timer	yes
GLP	yes
Interface	2 x USB, RS-232
Display	Color graphic display
IP-class	IP 54
Power supply	Adapter 12 V DC
Dimension	165 x 195 x 68 mm
Weight	1,050 g, without stirrer

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