PHOENIX Instrument
Lab Solutions

Professional Conductivity Benchtop Meter EC-45 cond

The large colored graphic display offers perfect readout and shows all information that you need about measurement, buffers used for calibration, cell condition, GLP information and instrument's memory. Anyone can use this meter easily with its clear menu structure up to 5 languages.

Up to 4 calibration points with buffer recognition. Icon support for all calibration functions and advanced electrode diagnostics. Easy to calibrate.

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 cond
with stand and optional stirrer

Avaliable Sets

EC-45 cond 0	Kit without conductivity cell, standard solution 1413 µS and 12,88 mS, cell holder and accessories
EC-45 cond 1	Kit includes conductivity cell Glass-Pt VPT80/1, standard solution 1413 µS and 12,88 mS, cell holder, power supply and accessories
EC-45 cond 2	Kit without, with standard solution 1413 µS and 12,88 mS, cell holder and accessories, **with magnetic stirrer**
EC-45 cond 3	Kit includes cell Glass-Pt VPT80/1, standard solution 1413 µS and 12,88 mS, cell holder and accessories, **with magnetic stirrer**

info@phoenix-instrument.de • Tel. +49 (5131) 90818 -30
Heinkelstr. 4 • D-30827 Garbsen • www.phoenix-instrument.de

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Professional Conductivity Benchtop Meter EC-45 cond

EC-45 cond

- Display COND/TDS, Salinity and Temperature simultaneously
- Resolution: automatic scale
- GLP-conform
- external keypad
- Selectable cell constant allows for use with 2 plate cell
- Automatic calibration 1 to 4 points between 4 conductivity standard values
- Manual-Calibration up to 1 points (User defined)
- Large colored graphic display with indication of Calibration Standards and measurement's stability
- Automatic and manual compensation of temperature with reference value 15 … 30 °C
- Memory with re-call of last calibration date and time and information of cell constant
- CAL DUE: set of calibration frequency for high quality of measurements
- Non-volatile memory holds up to 1,000 data points with date and time Data logger
- 2 x USB ports and 1 x RS-232 interface to transfer data, software PC-Link to download data
- Instrument can be delivered with a magnetic stirrer
- IP54 Protection

3 Years
Instrument Warranty



Magnetic Stirrer (optional)

Technical Data	EC-45 cond
Mesuaring range (cond)	0.00 - 20.00 - 200.0 - 2,000 µS
	2.00 - 20.00 - 200.0 - 1,000 mS
Resolution (cond)	Automatic full scale
Calibration Standards	84, 1413 µS, 12.88, 111.8 mS, user
Calibration points	1 … 4
Selectable cell constant	0.55 (4 ring) – 0.1 – 1 – 10
Cell type	4 rings - 2 rings
Reference temperature	15 … 30 °C
Temp. compensation	0.00 … 10.00 °C
Measuring range	-30.0 … 130.0 °C
Resolution	± 0.5 °C
TDS-measuring range	0 … 500 g/l
TDS-Faktor	0.40 … 1.00
Salinity	0.01 … 100 ppt
Resistivity	1 … 10 MΩ
Memory	1,000 data
Timer	yes
GLP	yes
Interfaces	2 x USB, RS-232
Display	Color graphic display
Ip protection	IP 54
Power supply	Adapter 12 V DC
Weight	1,050 g, without stirrer
Dimension	165 x 195 x 68 mm



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