Professional Benchtop Meter EC-40-pH • EC-45-pH

The large color display easy on to read shows all information that you need about measurement, buffers used for calibration, electrode's life, GLP information and instrument's memory. Anyone can use this meter easily with its clear menu structure up to 8 languages.

Easy to learn.

Up to 5 point pH calibration with automatic recognition for USA/NIST/DIN and User buffers. Icon support all calibration editing function with advanced electrode diagnostics.

Easy to calibrate.

Only a few keys allow the user to control all functions in an intuitive and easy way. Both instruments can be delivered with a stirrer.

EC-40-pH • EC-45-pH

- Display pH/mV and Temperature parameters simultaneously
- Resolution: 0,1/0,01 pH
- Automatic Calibration up to 3 point automatic recognized for USA/NIST buffers.
- Manual-Calibration up to 2 points (User defined pH Buffer)
- Large 2 color display with indication of Calibration Buffers and measurement's stability
- Instrument can be equipped with a magnetic stirrer
- IP54 rated housing handles splashes
- 3 years meter replacement warranty



EC-45-pH

... additional for EC-45-pH

- Selectable Resolution: 0,1/0,01/0,001 pH
- GLP and IQ-OQ manual available
- Automatic Calibration up to 5 point
- 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 1000 data points with date/ time in automatic (Data logger) or manual
- 2x USB ports to transfer data at PC or printer and for external keyboard
- Software PC-Link to download data (included)

PHOENIX Instrument

Lab solutions

Professional Benchtop Meter EC-40-pH • EC-45-pH

Various sets are available:

EC-40-pH-0	Kit without pH electrode, with cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrode holder
EC-40-pH-1	Complete kit included pH electrode POLYMER. Cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrode holder and accessories
EC-40-pH-2	Kit without pH electrode, with cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrode holder, **with magnetic stirrer**
EC-40-pH-3	Complete kit included pH electrode POLYMER. Cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrode holder, **with magnetic stirrer**
EC-45-pH-0	Kit without pH electrode, with cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrodes arm, power supply and accessories
EC-45-pH-1	Complete kit included pH electrode STANDARD, temperature probe NT55, S7/BNC 1 m cable, colored pH buffer solution pH 7 and pH 4, electrodes arm, power supply and accessories
EC-45-pH-2	Kit without pH electrode, with cable S7/BNC, temperature probe NT55, colored pH buffer solution pH 7 and pH 4, electrodes arm, power supply, **with magnetic stirrer**
EC-45-pH-3	Complete kit included pH electrode STANDARD, temperature probe NT55, S7/BNC 1 m cable, colored pH buffer solution pH 7 and pH 4, electrodes arm, power supply, **with magnetic stirrer**



Technical Data	EC-40-pH	EC-45-pH
Measuring range pH	0 – 14	-2 – 20
Resolution pH	0,1 / 0,01	0,001
Calibration Points	1 -3	1-5, automatic Buffer recognition
Buffer recognized	USA, NIST, 2 user defined	DIN, NIST, USA, 5 user defined
Temperature range	0 – 100 °C	-20 – 120 °C
Accuracy/Resolution Temperature	0,1/±0,2 °C	0,1/±0,2 °C
Measuring Range mV (Redox)	+/- 2000	+/- 2000
Accuracy/Resolution mV	0,1/1	0,1/1
Temperature compensation	Manual or automatic	automatic
Memory	No	1000 Data
Interface	BNC, ATC	2 x USB, BNC, ATC
Protection class	IP 54	IP 54
Power supply	AC/DC adapter 9 V / 300 mA	AC/DC adapter 9 V / 300 mA
Dimensions	200 x 220 x 100 mm, 950 gr	200 x 220 x 100 mm, 950 gr