PHOENIX Instrument
Lab Solutions

## Professional Benchtop pH Meter EC-45 pH

The large colored graphic display offers perfect readout and 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 5 languages.
The new **DHS-technology** allows the use of digital as well as analog electrodes. 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.
Only a few keys allow the user to control all functions in an intuitive and easy way. The EC-45 pH can be delivered with a stirrer.

### EC-45 pH

- Display pH/mV and Temperature parameters simultaneously
- Resolution: 0.001 pH
- Automatic Calibration up to 5 points with automatic buffer recognition
- DHS-function, automatic recognition of DHS- and analog electrodes
- GLP and IQ-OQ manual available
- Large, colored graphic display
- 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
- Non-volatile memory holds up to 1,000 data points with date/ time in automatic (Data logger) or manual
- External keypad
- 2 x USB ports and 1 x RS-232 interface to transfer data at PC or printer and for external keyboard
- Instrument can be equipped with a magnetic stirrer
- IP54 rated housing handles splashes

3 Years
Instrument Warranty




EC-45 pH with electrode arm and optional stirrer

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## Professional Benchtop Meter EC-45 pH

Kit without pH electrode, with cable S7/BNC, temperature probe NT55, DHS-function, pH buffer solution pH 7 and pH 4, electrodes arm, keypad, power supply and accessories

Complete kit includes pH electrode STANDARD, DHS-function, temperature probe NT55, S7/BNC 1 m cable, pH buffer solution pH 7 and pH 4, electrodes arm, power supply, keypad, accessories

Kit without pH electrode, with cable S7/BNC, temperature probe NT55, DHS-function, pH buffer solution pH 7 and pH 4, electrodes arm, power supply, keypad with magnetic stirrer

Complete kit includes pH electrode STANDARD, temperature probe NT55, S7/BNC 1 m cable, DHS-function, pH buffer solution pH 7 and pH 4, electrodes arm, keypad, power supply, with magnetic stirrer
Complete kit includes pH electrode STANDARD-DHS, DHS-function, temperature probe NT55, S7/BNC 1 m cable, pH buffer solution, electrodes arm, power supply, keypad and accessories

Complete kit includes pH electrode STANDARD-DHS, DHS-function, temperature probe NT55, S7/BNC 1 m cable, pH buffer solution, electrodes arm, power supply, keypad, accessories, with stirrer

Printer for EC-35 and EC-45




Optional Stirrer

| Technical Data | EC-45 pH |
|---|---|
| Meas. range | -2 … 20 pH |
| Resolution | 0.1 / 0.01. / 0.001 pH |
| Buffer solution | 1…5 / USA, NIST, DIN, user defined |
| Calibration points | 1 … 5 |
| Buffer recocnition | yes |
| Measuring range | ± 2,000 mV |
| Resolution | 0.1 / 1 mV |
| Measuring range | -30.0 ….130.0 °C |
| Resolution | ± 0.1 °C |
| DHS Electrode | yes |
| Buffer resolution | 1.000 data |
| Timer | yes |
| GLP | yes |
| Interfaces | 2 x USB, RS-232 |
| Display | Colored graphic display |
| IP-class | 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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