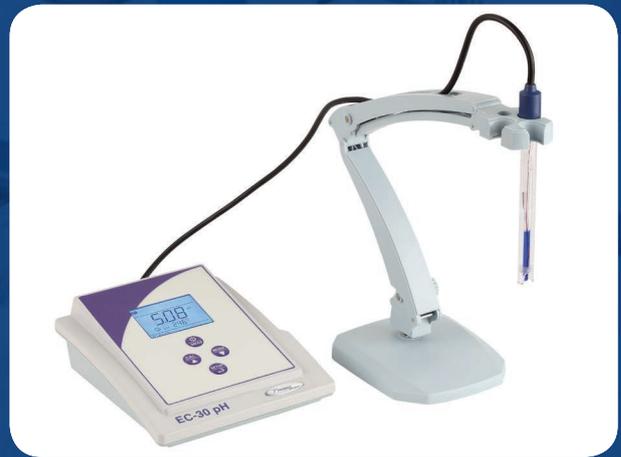


# Portable Multi Parameter Conductivity pH-Meter Bench Top Combination Meter



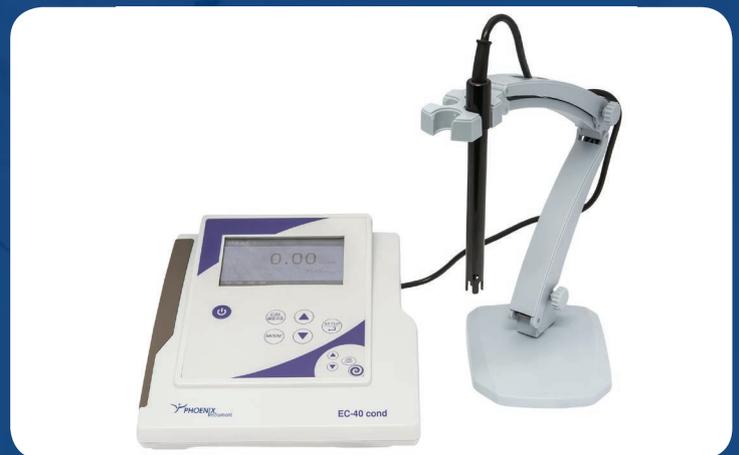
pH-Meter



Basic Meter



Combination Meter



Conductivity

## The Perfect Combination

A new line of electrochemistry instruments has been developed, finding the right balance between a state-of-the-art design, innovative ideas in pH and conductivity measurement and easy use.

A famous Swiss producer has developed, exclusively for these instruments, a complete laboratory line of pH electrodes for every type of application.

All buffer solutions and calibration standards will be delivered with a NIST-certificate.

## Electrochemistry

Portable pH-Meter  
Basic Benchtop pH-Meter

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Professional Benchtop Meter

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Basic Benchtop Conductivity Meter

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Professional Benchtop Conductivity Meter  
Portable Multi Meter

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Professional Benchtop Multi Meter

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## Portable pH-Meter EC-20-pH • EC-25-pH

An elegant and ergonomic case, with a practical soft rubber and IP57 protection, contains the best of technology. A large display (backlight for EC-25-pH) shows all information that you need. All the functional parameters of connected electrode, during measurement or calibration, are constantly checked and inform the operator for easy trouble-shooting. Only 4 keys (6 for EC-25-pH) allow the user to control all functions in an intuitive and easy way.



EC-25-pH

### EC-20-pH • EC-25-pH

- Display of pH/mV and temperature Parameter simultaneously
- Selectable resolution: 0.1/0.01 pH
- Automatic calibration up to 3 points (2 Standard pH-Puffer Sets)
- Manual calibration up to 2 points (user-defined pH-Puffer)
- Stability parameter (Low-Med-High) for high accuracy measurements
- Large Display ( backlit on EC-25) with indication of calibration buffers and measurements stability
- Memory with re-call of last calibration and information about electrode life Date and time on EC-25
- Waterproof IP57-protection
- Sturdy carrying case with all accessories to be used as a small portable lab
- Software PC-Link (included)



EC-20-pH

### ... additionally for EC-25-pH

- GLP
- CAL DUE: set of calibration frequency for high quality of measurements
- Data logger (automatic or manual)  
500 data sets with date and time
- USB port and software PC-Link to download data (included)

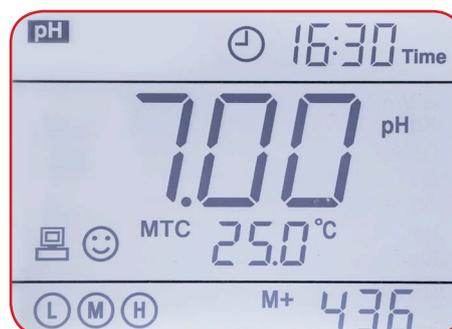
## Portable pH-Meter EC-20-pH • EC-25-pH

### Various sets are available:

- EC-20-pH-0 Kit without pH electrode, with temperature sensor inside and BNC, colored pH buffer solution, carrying case and accessories.
- EC-20-pH-1 Kit included pH electrode 201T, cable S7/BNC, temperature probe NT55, colored pH buffer solution, carrying case and accessories.
- EC-25-pH-0 Kit without pH electrode, with temperature sensor inside and BNC, colored pH buffer solution, carrying case and accessories.
- EC-25-pH-1 Kit included pH electrode 201T, cable S7/BNC, temperature probe NT55, colored pH buffer solution, carrying case and accessories.



pH Electrode



Large Display

EC-25-pH Kit

Technical Data	EC-20-pH	EC-25-pH
Meas. Range/Resolution	0 - 14 pH / 0,1 – 0,01	-2 - 16 pH / 0,1 – 0,01
Calibration points	1-3	1-3
Buffer solutions	USA, NIST and User defined	USA, NIST and User defined
GLP	-	Yes
Indication of slope and offset	Yes	Yes with date and time
CALDUE	Yes	Yes
mV measuring range	±1000 mV	±1999mV
Resolution	1 mV	0,1mV(± 200 mV)1 mV above
Temperature measuring range	0...100,0 °C	-10...100,0 °C
Resolution/Accuracy	0,1 °C / ± 0,5 °C	0,1°C / ± 0,5 °C
Memory	-	Man/Auto 500 Data with time
IP-class	Waterproof IP 57	Waterproof IP 57
Warranty Instrument	5 Years	5 Years

### Basic Benchtop Meter EC-30-pH

The LCD back light display of the basic meter shows all information that you need about measurement, included icon for stability. Up to 3 point pH calibration with automatic recognition for USA buffers. Icon support all calibration editing function with alarm electrode diagnostics. Easy to use - Very competitive price - easy to calibrate.



EC-30-pH-0

Kit without pH-electrode, with Temperature sensor and BNC-plug, buffer solution pH4 and pH7, electrode holder.

EC-30-pH-1

Kit with pH-elektrode 201T, cable S7/BNC, Temperature sensor NT55, buffer solution pH4 and pH7, electrode holder.



#### Technical Data

	EC-30-pH
pH measuring range	0 - 14 pH
Resolution	0,1/0,01 pH
mV measuring range	± 2.000 mV
Resolution	1 mV
Temperature range	0-100 °C
Resolution	0,1 °C
Calibration points	1-3
	USA, NIST, 2 Custom
Inputs	BNC, Jack phono (ATC)
Power supply	adapter 5 V / DC
Dimensions	155 x 180 x 60 mm, 500 g

## 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.

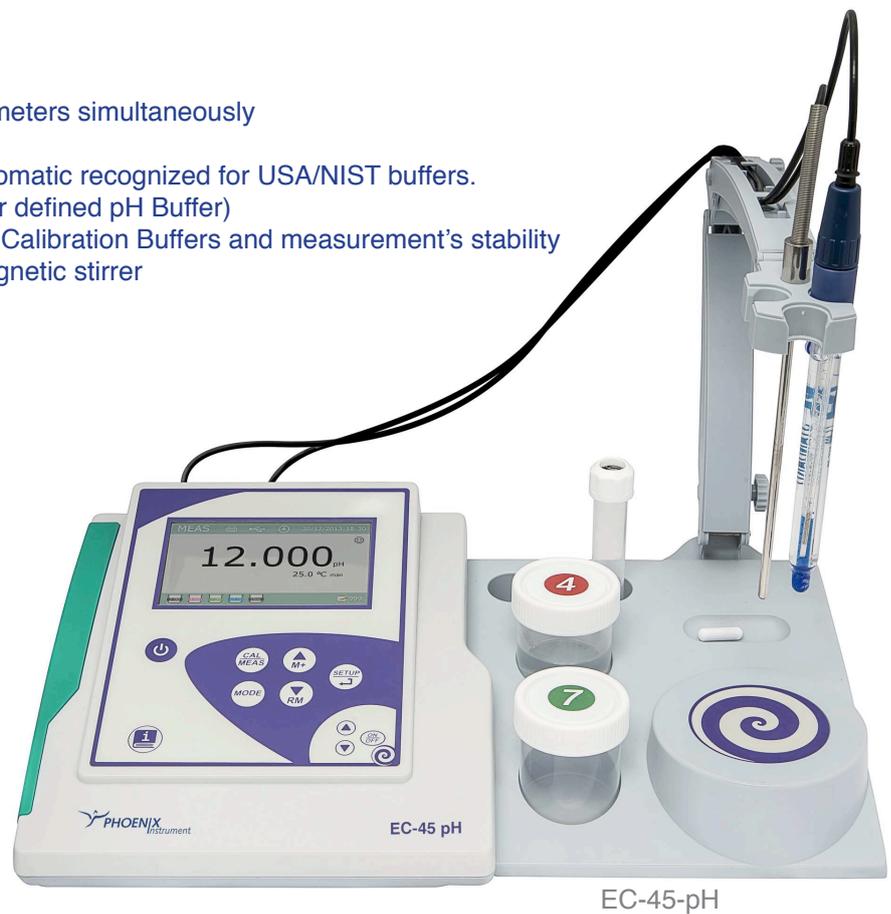
Up to 5 point pH calibration with automatic recognition for USA/NIST/DIN and User buffers. Icon support all calibration editing function with advanced electrode diagnostics.

### 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



### ... 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)

## 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

## Conductivity Portable Meter EC-20 cond • EC-25 cond

**A**n elegant and ergonomic case, with a practical soft rubber and IP57 protection, has inside the best of technology. A large display (backlight for EC-25 COND) shows all information that you need about the measurement, cell's life and instrument's memory. All the functional parameters of connected cell, during measurement or calibration, are constantly checked and inform the operator for easy trouble-shooting. Only 4 keys for COND 7 (6 for EC-25 cond) allow the user to control all functions in an intuitive and easy way. A practical USB port (EC-25-cond), covered to guarantee waterproof protection, allow to download data (with date of last calibration done) or power the instruments by Computer or with power supply 220V/USB included.



### EC-20 cond • EC-25 cond

- Display Conductivity and Temperature simultaneously
- Automatic calibration 1 to 3 points between 4 conductivity standard values
- Manual calibration on 1 point (User defined)
- Large Display (backlight for EC-25 cond) with indication of standards used for calibration and stability
- Automatic and manual compensation of temperature with reference value 15...30 °C
- Waterproof IP57 protection
- Strong carrying case with all accessories to be used as a small portable laboratory

EC-25 cond

### ... additional for EC-25 cond

- TDS measurement with adjustable factor
- GLP
- Memory recall of last calibration with control of cell constant, date and time
- CAL DUE : set of calibration frequency for high quality measurements
- Data logger, manual and automatic with 500 memory values with date and time
- USB port to download data and power by Computer or power supply (included)
- Software PC-Link to download data (included)

## Conductivity Portable Meter EC-20 cond • EC-25 cond

### Various sets are available:

- EC-20 cond 0** Kit without cell, with standard calibration solutions, carrying case and accessories
- EC-20 cond 1** Complete kit include cond. Cell 2301T with ATC, cable length 1m and BNC plug, standard calibration solutions, carrying case and accessories
- EC-25 cond 0** Kit without cell, with standard calibration solutions, power supply, software PC-Link, USB cable, carrying case with accessories
- EC-25 cond 1** Complete kit include cond. Cell 2301T with ATC, cable length 1m and BNC plug, Standard calibration solutions, power supply, software PC-Link to download data, USB cable, carrying case with accessories.



EC-25 cond



### Technical Data

	EC-20 cond	EC-25 cond
Cond Meas. Range/Resolution	0,0...199,9 mS 0,1/1 μS 0,01/0,1 mS	-0,0...199,9 mS 0,1/1 μS 0,01/0,1 mS
Calibration points	1-4	1-4
Calibration standards	84 μS – 1413 μS – 12,88 mS – 111,9 mS and 1 user defined	84 μS – 1413 μS – 12,88 mS – 111,9 mS and 1 user defined
Cell constant selectable	0,1 – 1 – 10 cm <sup>-1</sup>	0,1 – 1 – 10 cm <sup>-1</sup>
Temperature range	0 - 100 °C	0 - 100 °C
Resolution	0,1 °C / ± 0,5 °C	0,1 °C / ± 0,5 °C
TDS measuring range	-	-
Resolution	-	-
GLP	-	-
CALDUE	Yes	Yes
Memory	-	-
Inputs	BNC, Jack phono (ATC)	BNC, Jack phono (ATC)
IP-class	Waterproof IP 57	Waterproof IP 57
Warranty Instrument	5 Years	5 Years

## Basic Conductivity Benchtop Meter EC-30 cond

The LCD back light display easy on to read shows all information that you need about measurement, included icon for stability. Up to 4 point Conductivity calibration with automatic recognition.  
Easy to use - Very competitive price - easy to calibrate.

### EC-30 cond

- Display COND and Temperature parameters simultaneously
- Resolution: automatic scale
- Selectable cell constant allows for use with 2 plate cell
- Automatic calibration 1 to 4 points between 4 conductivity standard values
- Indication stability of the measurement with icon
- Non-volatile memory holds up to 25 data points
- IP54 rated housing handles splashes
- 3 years meter replacement warranty



EC-30 cond

### Various sets are available:

EC-30 cond 0 Meter without cell, incl. Cal-standards 1413  $\mu\text{S}$  and 12,88 mS, Cellholder and accessories.

EC-30 cond 1 Meter with Con-cell 2301T incl. ATC, Cable 1m, Calibration standards 1413  $\mu\text{S}$  and 12,88 mS, Cellholder and accessories.



#### Technical Data

	EC-30 cond
COND measuring range	0... 200,0 - 2000 $\mu\text{S}$ / 2,00... 20,00 - 200,0 mS
Resolution	0,1 - 1 $\mu\text{S}$ / 0,01 - 0,1 mS
Calibration points	1...4
Calibration standards recognized	84 $\mu\text{S}$ – 1413 $\mu\text{S}$ – 12,88 mS – 111,9 mS
Cell constant selectable	0,1 – 1 – 10 $\text{cm}^{-1}$
Temperature coefficient	0,00...9,99 % / °C
Reference temperature	25 °C
Temperature measuring range	0...50,0 °C
Resolution / Accuracy	0,1 °C
Temperature compensation	Automatic / manual 0...80 °C
Memory	25 data
Display	LCD (Liquid Crystal Display) / backlight
Inputs	BNC and Jack phono (ATC)
Power supply	AC/DC adapter 9 V / 300 mA
IP protection class	IP 54
Dimensions / weight instrument	160 x 190 x 70 mm / 750 g

## Professional Conductivity Benchtop Meter EC-40 cond • EC-45 cond

The large color display easy on to read shows all information necessary information about measurement, calibration, standards, cell condition, GLP. Anyone can use this meter easily with its intuitive menu available in up to 8 languages in the EC-45 cond. **Easy to learn.**

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. Both instruments can be delivered with a stirrer.

### EC-40 cond

- Display COND/TDS and Temperature simultaneously
- Resolution: automatic scale
- 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 2 color display with indication of Calibration Standards and measurement's stability
- Instrument can be delivered with a magnetic stirrer
- IP54 Protection
- 3 years instrument warranty



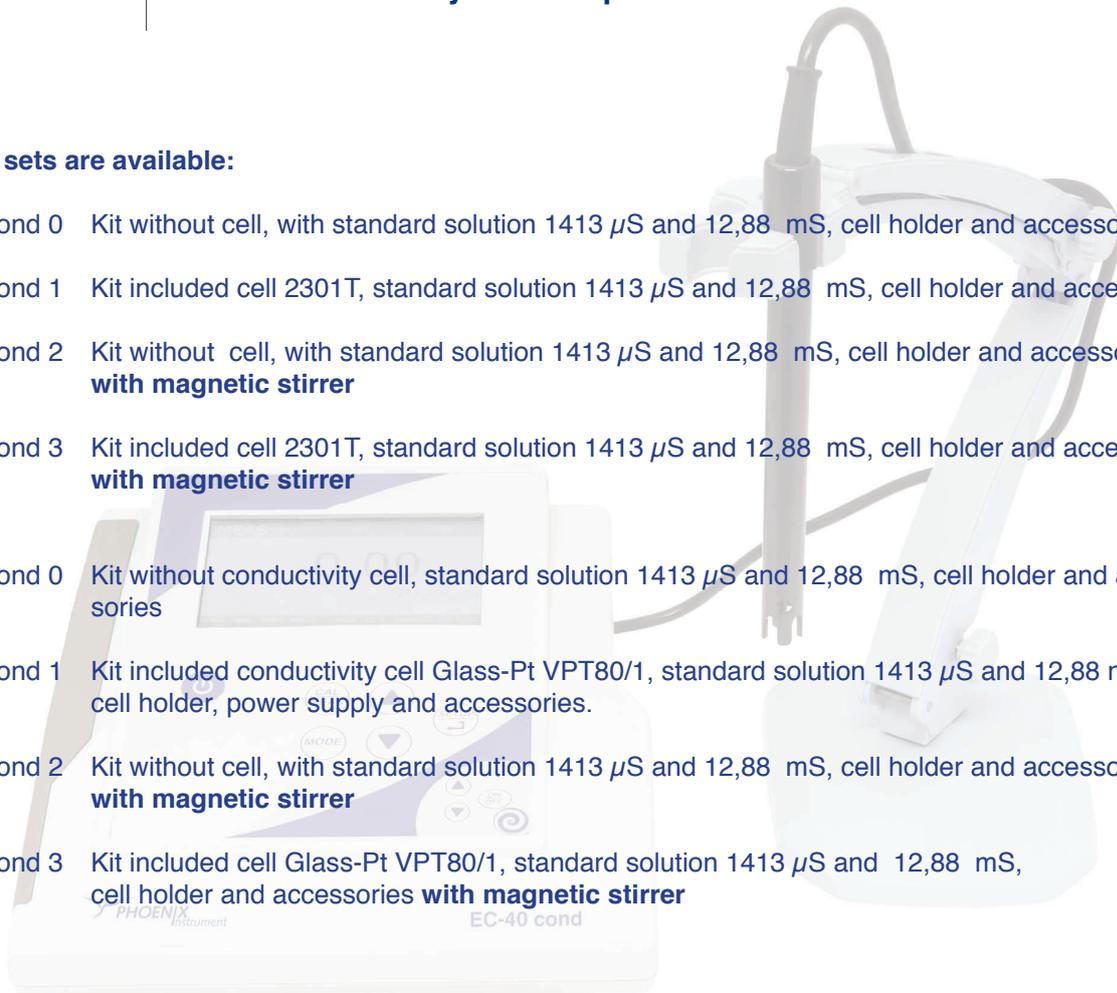
### ... additional for EC-45 cond

- Selectable cell constant allows for use with 2 or 4 plate cell
- GLP and IQ-OQ manual available
- 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 1000 data points with date and time in automatic (Data logger) or manual printer
- 2 x USB ports to transfer data and software PC-Link to download data (included)

**Professional Conductivity Benchtop Meter EC-40 cond • EC-45 cond**

**Various sets are available:**

- EC-40 cond 0 Kit without cell, with standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories
- EC-40 cond 1 Kit included cell 2301T, standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories
- EC-40 cond 2 Kit without cell, with standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories **with magnetic stirrer**
- EC-40 cond 3 Kit included cell 2301T, standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories **with magnetic stirrer**
- EC-45 cond 0 Kit without conductivity cell, standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories
- EC-45 cond 1 Kit included conductivity cell Glass-Pt VPT80/1, standard solution 1413  $\mu$ S and 12,88 mS, cell holder, power supply and accessories.
- EC-45 cond 2 Kit without cell, with standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories **with magnetic stirrer**
- EC-45 cond 3 Kit included cell Glass-Pt VPT80/1, standard solution 1413  $\mu$ S and 12,88 mS, cell holder and accessories **with magnetic stirrer**



Technical Data	EC-40 cond	EC-45 cond
Cond. Measuring range	0,00 – 200 mS	0,00...1000 mS
Resolution cond	Automatic scale	Automatic scale
Relative accuracy	$\pm 0,5$ % value reading	$\pm 0,5$ % value reading
TDS Measuring range	0,1 mg/L...100 gr/L	0,1 mg/L...500 gr/L
TDS factor	0.40...1.00	0.40...1.00
Relative Accuracy	$\pm 0,5$ % value reading	$\pm 0,5$ % value reading
Temperature range	0 – 100 °C	-20 – 200 °C
Accuracy/Resolution Temp.	0,1/ $\pm 0,2$ °C	0,1/ $\pm 0,2$ °C
Temperature compensation	Manual or automatic	Manual or automatic
Temperature calibration	Yes	Yes
Calibration points	1...4	1...4
Calibration standards recognized	84, 1413 $\mu$ S / 12.88, 111.8 mS	1 point user defined
Indication of cell condition	Yes	Yes
GLP	No	Yes, with date and time
CALDUE	No	Yes
Memory	No	1000 Data
Interputs	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

## Portable Multi Meter EC-20 multi • EC-25 multi

A newly designed portable meter with a large display (backlighted for EC-25 multi) showing all functional parameter and information. Only 4 keys (6 for EC-25 multi) allows the user to control all functions in an easy and intuitive way.

The instrument is IP-57 protected and will be delivered in an elegant and sturdy case, to be used as a small portable lab.

### EC-20 multi

- Display pH/mV/Conductivity/TDS and Temperature parameters simultaneously

#### pH:

- Selectable resolution: 0,1/0,01 pH
- Automatic calibration up to 3 points with 2 selectable pH-buffer sets (USA and NIST)
- Manual calibration up to 2 points with User-defined pH-Buffer
- Stability parameter (Low-Med-High) for high accuracy measurement

#### Conductivity:

- Automatic calibration from 1 to 4 points between 4 conductivity standard values
- Manual calibration at 1 point (User defined)
- Automatic and manual compensation of temperature with reference value 15...30 °C
- Large Display (backlight for EC-25) with indication of standards used for calibration and stability
- Waterproof IP57 protection
- Strong carrying case with all accessories to be used as a small portable laboratory



EC-20 multi

### ... additional for EC-25 multi

- TDS measurement with adjustable factor
- GLP
- Memory recall of last calibration with control of cell constant, date and time
- CAL DUE: set of calibration frequency for high quality measurements
- Data logger, manual and automatic with 500 memory values with date and time
- USB port to download data and power by Computer or power supply (included)
- Software PC-Link to download data (included)

## Portable Multi Meter EC-20 multi • EC-25 multi

### Various sets are available:

- EC-20 multi 0** Kit without pH electrode, included cond. cell 2301 T with ATC, cable length 1m with BNC/Cinch plug, with temperature probe NT 55, BNC/S7 1mt cable, pH buffer and conductivity standard, carrying case and accessories
- EC-20 multi 1** Complete kit include pH electrode 201T and cond. Cell 2301T with ATC, both cable length 1m and BNC plug, standard calibration solutions, carrying case and accessories
- EC-25 multi 0** Kit without pH electrode, included cond. cell 2301 T with ATC, cable length 1m with BNC/Cinch plug, with temperature probe NT 55, BNC/S7 1mt cable, power supply, software PC-Link, pH buffer and conductivity standard, carrying case and accessories
- EC-25 multi 1** Kit include pH-electrode 201T and cell 2301T with ATC, cable length 1m and BNC plug, standard calibration solutions, power supply, software PC-Link, USB- cable, carrying case with accessories.



EC-25 multi



Technical Data	EC-20 multi	EC-25 multi
pH meas. Range	0,00...14,00 pH	-2,00...16,00 pH
Resolution	0,1/0,01 pH	0,1/0,01 pH
Calibration points	1...3	1...3
Buffer recognized	USA, NIST and user defined	
mV meas. range	±1.000 mV	±1.999 mV
Resolution	1 mV	0,1/1 mV
Cond Meas. Range/	0,0...199,9 mS	0,00...199,9 mS
Resolution	0,1/1 μS 0,01/0,1 mS	0,01/0,1/1 μS 0,01/0,1 mS
Calibration points	1-4	1-4
Calibration standards	84 μS –1413 μS-12,88 mS-111,9 mS and 1 user defined	
Cell constant selectable	0,1 – 1 – 10 cm <sup>-1</sup>	
Temperature range	0 - 100 °C	-10 – 110 °C
Resolution	0,1 °C / ± 0,5 °C	0,1 °C / ± 0,5 °C
TDS measuring range	-	0...100 g/l
Resolution	-	1% full scale
GLP	-	Yes
CALDUE	Yes	Yes
Memory	-	Man/Auto 500 Data with time
Inputs	BNC, Jack phono (ATC)	BNC, Jack phono (ATC), USB
IP-class	Waterproof IP 57	Waterproof IP 57
Warranty Instrument	5 Years	5 Years

## Professional Benchtop Multi Meter EC-40 multi • EC-45 multi

The large color display easy on to read shows all information necessary information about measurement, calibration, standards, cell condition, GLP. Anyone can use this meter easily with its intuitive menu available in up to 8 languages in the EC-45-Multi. **Easy to learn.**

Up to 5-point pH-calibration and up to 4-point Conductivity calibration with automatic recognition of all standards. Icon support for all calibration functions and advanced electrode diagnostics. **Easy to calibrate**  
All functions can be controlled in an intuitive and easy way. Both instruments can be delivered with a stirrer.

### EC-40 multi • EC-40 multi

- Display pH/mV and Temperature, COND/TDS and Temperature simultaneously
- Resolution: 0,1/0,01 pH; Auto range for Cond
- Selectable cell constant allows for use with 2 plate cell
- Large 2 color display with indication of Calibration Buffers and measurement's stability
- Indication stability of the measurement with icon
- Instrument can be delivered with a magnetic stirrer
- IP54 protection
- 3 years instrument warranty



### ... additional for EC-45 multi

- Display pH/mV and Temperature, COND/TDS/Salinity/Resistivity and Temperature simultaneously
- Selectable Resolution: 0,1/0,01/0,001 pH; Auto range for COND
- GLP and IQ-OQ manual available
- Selectable cell constant allows for use with 2 or 4 plate cell
- 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 and 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)

## Professional Benchtop Multi Meter EC-40 multi • EC-45 multi

Available sets

- EC-40 multi 0** Kit without pH electrode and cell, with cable S7/BNC, temp. probe NT55, pH buffer solution pH 7, pH 4, conductivity solution 1413  $\mu$ S and 12,88 mS, power supply and accessories
- EC-40 multi 1** Kit included pH electrode XS Polymer, cell 2301T with ATC. Cable S7/BNC, pH buffer solution pH 7 and pH 4, conductivity solution 1413  $\mu$ S and 12,88 mS, power supply and accessories
- EC-45 multi 0** Kit without pH electrode and cell, with cable S7/BNC, temp. probe NT55, pH buffer solution pH 7 and pH 4, conductivity solution 1413  $\mu$ S and 12,88 mS, power supply and accessories
- EC-45 multi 1** Kit included pH electrode XS STANDARD S7, cell 2301T with ATC. Cable S7/BNC, pH buffer solution pH 7 and pH 4, conductivity solution 1413  $\mu$ S and 12,88 mS, power supply and accessories

All kits are also available with magnetic stirrer. For further details please see our new pricelist for electrochemistry products or check on our website [www.phoenix-instrument.de](http://www.phoenix-instrument.de).



Technical Data	EC-40 multi	EC-45 multi
pH meas. Range	0-14	-2-20
Resolution	0.1 / 0.01 / $\pm$ 0,01	0.1 / 0.01 / 0.001
Calibration points	1..3	1..4
Buffer recognized	USA, NIST, 2 user defined	USA, NIST, 5 user defined
mV meas. Range/Resolution	$\pm$ 2000/ 0,1/1	$\pm$ 2000/ 0,1/1
Cond. Measuring range	0,00 – 200 mS	0,00...1000 mS
Resolution cond	Automatic scale	Automatic scale
Relative accuracy	$\pm$ 0,5 % value reading	$\pm$ 0,5 % value reading
TDS Measuring range	0,1 mg/L...100 gr/L	0,1 mg/L...500 gr/L
TDS factor	0.40...1.00	0.40...1.00
Relative Accuracy	$\pm$ 0,5 % value reading	$\pm$ 0,5 % value reading
Temperature range	0 – 100 °C	-20 – 200 °C
Accuracy/Resolution Temp.	0,1/ $\pm$ 0,2 °C	0,1/ $\pm$ 0,2 °C
Temperature compensation	Manual or automatic	Manual or automatic
Temperature calibration	Yes	Yes
Calibration points Cond.	1...4	1...4
Calibration standards recognized	84, 1413 $\mu$ S / 12.88, 111.8 mS	1 point user defined
Indication of cell condition	Yes	Yes
GLP	No	Yes, with date and time
CALDUE	No	Yes
Memory	No	1000 Data
Interputs	2xBNC, 2xATC	2x BNC, 2x ATC, 2 x USB
Protection class	IP 54	IP 54
Power supply	AC/DC adapter 9 V / 300 mA	AC/DC adapter 9V / 300 mA
Dimensions	200 x 220 x 100 mm, 950 gr	200 x 220 x 100 mm, 950 gr

In addition to Electrochemistry Phoenix Instrument also offers Rotary Evaporator, Balances, Centrifuges, Liquid Handling, Stirrer, Mixer, Shakers, Incubators and Ovens

