



914 pH/DO/Conductometer, laboratory version

2.914.0230

Portable two-channel pH/DO/conductivity measuring instrument with intelligent measuring input for measuring dissolved oxygen/pH/mV and analog measuring input for conductivity/TDS /salinity and temperature.

You will be optimally equipped for measurements in the field and in the laboratory with this battery-operated measuring instrument with a stand plate.

- Digital measuring input for the O2 Lumitrode or the intelligent pH electrodes
- Analog conductivity measuring input for the 4-conductor conductivity measuring cells
- Laboratory pH/DO and conductivity measuring instrument with built-in battery pack
- Parallel measurement of pH value and conductivity
- Parallel measurement of oxygen and conductivity
- Robust, water-tight, and dust-tight housing (IP67) for tough outdoor and laboratory use
- LCD color display with background illumination making results easy to read
- USB interface for simple data export to PC or printer
- Large internal memory (10,000 data sets)
- Pin-protected User mode and Expert mode, prevents unwanted parameter changes
- GLP-compliant printout and data export with User ID and timestamp

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery 2.914.0230

Qt.	Order no.	Description
1 PCS	1.914.0030	pH/DO/Conductometer
<p>Portable two-channel pH/DO/conductivity measuring instrument with intelligent measuring input for the parallel measurement of pH/mV and conductivity or dissolved oxygen and conductivity in water.</p> <ul style="list-style-type: none"> • Parallel measurement of pH value and conductivity or of dissolved oxygen and conductivity • Analog conductivity measuring input for the 4-conductor conductivity measuring cells • Digital measuring input for the intelligent pH electrodes or the intelligent O₂ Lumitrode • Robust, water-tight, and dust-tight housing (IP67) for tough outdoor and laboratory use • LCD color display with background illumination for simple readability of the results • USB interface for simple data export to the PC or the printer • Large internal memory (10,000 data sets) • Pin-protected User mode and Expert mode, prevents unwanted parameter changes • GLP-compatible printout and data export with User ID and timestamp 		
1 PCS	6.2001.130	Stand plate for 912/913/914
<p>Stand plate for converting a mobile 912/913/914 pH/Conductometer into a laboratory meter.</p>		



1 PCS

6.2008.060

Holder for electrode storage vessel

Practical holder for fastening the electrode storage vessels to the 912, 913 or 914 pH/Conductometers.



1 PCS

6.2050.010

Carrying strap for 912/913/914

Carrying strap for 912/913/914 meters



1 PCS

6.2151.100

Adapter USB MINI (OTG) - USB A

For connecting USB instruments.



1 PCS

6.2151.110

Metrohm USB Mini B cable (OTG) - USB A, 1.8 m

For connecting USB instruments.



1 PCS

6.2166.100

USB power supply unit 5.25 V / 1.53 A

USB power supply unit for 912 / 913 / 914

Efficiency Level VI



Optional accessories

Order no.	Description
2.142.0100	<p>Custom Q3X thermal printer</p> <p>Compact printer with USB interface for</p> <ul style="list-style-type: none">• 900 Touch Control• 915 KF Ti-Touch• 916 Ti-Touch• 917 Coulometer• 877 / 848 Titrino plus• 865 / 876 Dosimat plus• 91X Meter (cable 6.2151.140)• Eco Dosimat / Titrator• 862 Compact Titrosampler• 870 KF Titrino plus• 899 Coulometer <p>Paper width 60 mm (40 characters). Including 6.2151.120 USB cable.</p>
2.854.0010	<p>854 iConnect</p> <p>The 854 iConnect – Electrode cable and measuring amplifier for intelligent "iTrodes" electrodes (cable length 150 cm).</p>



Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. This electrode is particularly suitable:

- for pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
- for long-term measurements



The fixed ground-joint diaphragm is insensitive to contamination.

Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.

Alternatively: reference electrolyte for measurements at $T > 80^\circ\text{C}$: Idrolyte, storage in Idrolyte.

iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.

4-wire conductivity measuring cell with cell constant $c = 0.5 \text{ cm}^{-1}$ (guide value), with integrated Pt1000 temperature sensor and fixed cable for connecting to 912/914 Meters.

Thanks to the robust/break-proof plastic shaft made of PEEK, this sensor is mechanically very resistant. The sensor is suitable for measurements of medium conductivities ($15 \mu\text{S/cm}$ to 250 mS/cm), e.g., in:

- drinking water
- surface water
- wastewater



Conductivity measuring cell made of stainless steel with cell constant $c = 0.1 \text{ cm}^{-1}$ (guide value), with integrated Pt1000 temperature sensor and fixed cable for connecting to 912/914 Meters.

This sensor is suitable for measurements of low conductivities ($0 \mu\text{S/cm}$ to $300 \mu\text{S/cm}$) in, e.g. deion. water.



3-ring conductivity measuring cell with cell constant $c = 1.6 \text{ cm}^{-1}$, with integrated Pt1000 temperature sensor and fixed cable for connecting to 912/914 Meters.

This sensor is suitable for measurements of high conductivities (0.1 to 1000 mS/cm), e.g., in:

- sea water
- flush water
- physiological solutions



The optical sensor for measuring dissolved oxygen (DO) can be used with a 913 pH/DO meter or with a 914 pH/DO conductometer. The measuring principle of the sensor is based on luminescence quenching. The space-saving and maintenance-free sensor is suitable for DO measurement, for example in:

- Water quality control
- Wastewater industry
- Beverage production
- Fish farming

This sensor is supplied with a calibration vessel.

Where necessary, it is easy to replace the measurement cap (O₂ cap) that contains the oxygen-intensive luminophore.



Y cable for connection of a USB printer to the pH/Conductometers 912 / 913 / 914. This cable allows a printer and the power supply unit to be connected to the measuring instrument at the same time.



6.2307.230

Buffer solutions pH 4, 7 and 9

Mixed buffer solutions pH 4.00/7.00/9.00 (25 °C) in single use sachets, colourless, box of 3 x 10 x 30 mL



6.2324.110

Conductivity standard 100 µS/cm, 5 x 30 mL

Conductivity standard for calibration of conductivity measuring cells with cell constant = 0.1/cm.



6.2325.000

pHit kit

Maintenance kit for pH electrodes

The kit contains:

- 50 mL cleaning solution
- 50 mL 3M KCl solution
- 50 mL storage solution
- 2 Storage vessels
- Instructions for use



6.2329.000

Oxygen standard 0%

Oxygen standard for 0% calibration of the O₂-Lumitrode. Contains 5 sachets of 30 mL each.



6.5623.000

O₂ Lumitrode replacement set

Replacement set for the O₂ Lumitrode. The set contains a certified O₂ cap as replacement, a calibration vessel, and 5 x 30 mL oxygen standard, 0%.

