



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

Qt.	Order no.	Description
1 PCS	1.914.0030	914 pH/DO/Conductometer
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. • 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
Stand plate for converting a mobile 912/913/914 pH/Conductometer into a laboratory meter.		
		
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



Phụ kiện tùy chọn

Order no.	Description
2.142.0100	Custom Q3X thermal printer Compact printer with USB interface for • 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 Paper width 60 mm (40 characters). Including 6.2151.120 USB cable.
6.1116.000	O2 Lumitrode 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.



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 ($15 \mu\text{S}/\text{cm}$ to $250 \text{ mS}/\text{cm}$), 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 ($0 \mu\text{S}/\text{cm}$ to $300 \mu\text{S}/\text{cm}$) 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 $1000 \text{ mS}/\text{cm}$), e.g., in:

- sea water
- flush water
- physiological solutions



6.2151.140

Y cable USB A St - USB B St - Mini B St

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 $\mu\text{S}/\text{cm}$, 5 x 30 mL

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



6.2329.000

Oxygen standard 0%

Oxygen standard for 0% calibration of the O_2 -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%.



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



6.0278.300

iUnitrode with Pt1000

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(KCl) = 3 mol/L, storage in storage solution.

Alternatively: reference electrolyte for measurements at T>80°C: Idrolyte, storage in Idrolyte.

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

2.854.0010

854 iConnect

The 854 iConnect – Electrode cable and measuring amplifier for intelligent "iTrodes" electrodes (cable length 150 cm).

