914 pH/DO/Conductometer

2.914.0130

pH/DO/ pH/mV/

- pH
-
- 4
- pH O2-Lumitrode
- (IP67)
- LCD
- USB
- 10'000
-
- GLP ID
-

Scope of delivery 2.914.0130

Qt.	Order no.	Description
1 PCS	**1.914.0030**	**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 O_2 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	**6.0917.080**	**Conductivity measuring cell c = 0.5 cm-1 with Pt1000 (fixed cable)**

4-wire conductivity measuring cell with cell constant c = 0.5 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 µS/cm to 250 mS/cm), e. g., in:

- drinking water
- surface water
- wastewater

Ω Metrohm

| 1 PCS | **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 (O_2 cap) that contains the oxygen-intensive luminophore.

| 2 PCS | **6.1446.000** | **SGJ stopper / B-14/(15)** |

| 2 PCS | **6.1613.010** | **Bottle / 25 mL** |

Ω **Metrohm**

| 1 PCS | **6.1613.020** | **Bottle / 25 mL / label pH 7 (empty)** |

| 1 PCS | **6.1613.030** | **Bottle / 25 mL / label pH 4 (empty)** |

| 1 PCS | **6.1614.000** | **Wash bottle / 250 mL** |

| 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

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1 PCS	**6.2151.100**	**Adapter USB MINI (OTG) - USB A**

For connecting USB instruments.

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1 PCS	**6.2151.110**	**Metrohm USB Mini B cable (OTG) - USB A, 1.8 m**

For connecting USB instruments.

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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

Ω Metrohm

| 1 PCS | **6.2308.050** | **Electrolyte 3 mol/L KCl (50 mL)** |

Electrolyte solution c(KCl) = 3 mol/L (for Ag/AgCl reference systems)

| 1 PCS | **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.

| 1 PCS | **6.2716.060** | **Case for 912 / 913 / 914** |

Case for the 912 / 913 / 914 pH/Conductometers.

| 1 PCS | **6.2717.000** | **PP beaker, 100 mL** |

Beaker made of PP, 100 mL.

Optional accessories

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.

2.854.0010	**854 iConnect**

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

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 Titrando, Ti-Touch or 913/914 meters.

6.0918.040   **Conductivity measuring cell c = 0.1 cm-1 with Pt1000 (fixed cable)**

Conductivity measuring cell made of stainless steel with cell constant c = 0.1 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 µS/cm to 300 uS/cm) in, e.g. deion. water.

6.0919.140   **Conductivity measuring cell c = 1.6 cm-1 with Pt1000 (fixed cable)**

3-ring conductivity measuring cell with cell constant c = 1.6 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

Ω **Metrohm**

6.2001.130   **Stand plate for 912/913/914**

Stand plate for converting a mobile 912/913/914 pH/Conductometer into a laboratory meter.

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.

6.2166.500   **12 V USB adapter for 912 / 913 / 914 pH/Conductometer**

12 V USB adapter for 912 / 913 / 914 pH/Conductometer.

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 O_2-Lumitrode. Contains 5 sachets of 30 mL each.

6.5623.000   **O2 Lumitrode replacement set**

Replacement set for the O_2 Lumitrode. The set contains a certified O_2 cap as replacement, a calibration vessel, and 5 x 30 mL oxygen standard, 0%.