



# 914 pH/DO/Conductometer with accessories

## case

2.914.0130

Portable 2-channel pH/DO/conductivity measuring instrument with analog and digital measuring input for parallel measurements of pH/mV/conductivity or dissolved oxygen and conductivity. You will be optimally equipped for measurements outdoors with this battery-operated measuring instrument in a transport case.

- Parallel measurement of pH value and conductivity
- Parallel measurement of dissolved oxygen and conductivity
- Analog conductivity measuring input for the 4-conductor conductivity measuring cells from Metrohm
- Digital measuring input for the intelligent pH electrodes and O<sub>2</sub> Lumitrode
- Robust, water-tight, and dust-tight housing (IP67) for hard 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
- Robust transport case for routine measurements in the field

## Phạm vi giao hàng 2.914.0130

| Qt.   | Order no.  | Description              |
|-------|------------|--------------------------|
| 1 PCS | 6.2716.060 | Case for 912 / 913 / 914 |

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



|       |            |              |
|-------|------------|--------------|
| 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<sub>2</sub> cap) that contains the oxygen-intensive luminophore.



|       |            |                                            |
|-------|------------|--------------------------------------------|
| 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

6.2308.050

Electrolyte 3 mol/L KCl (50 mL)

Electrolyte solution  $c(\text{KCl}) = 3 \text{ mol/L}$  (for Ag/AgCl reference systems)



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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



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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

6.2151.100

Adapter USB MINI (OTG) - USB A

For connecting USB instruments.



1 PCS

6.2050.010

Carrying strap for 912/913/914

Carrying strap for 912/913/914 meters



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

6.1614.000

Wash bottle / 250 mL



1 PCS

6.1613.030

Bottle / 25 mL / label pH 4 (empty)



1 PCS

6.1613.020

Bottle / 25 mL / label pH 7 (empty)



2 PCS

6.1613.010

Bottle / 25 mL



2 PCS

6.1446.000

SGJ stopper / B-14/(15)



1 PCS

6.0917.080

Conductivity measuring cell  $c = 0.5 \text{ cm}^{-1}$  with Pt1000  
(fixed cable)

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  $250 \text{ mS/cm}$ ), e.g., in:

- drinking water
- surface water
- wastewater



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<sub>2</sub> 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

Beaker made of PP, 100 mL.



## Phụ kiện tùy chọn

| 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"><li>• 900 Touch Control</li><li>• 915 KF Ti-Touch</li><li>• 916 Ti-Touch</li><li>• 917 Coulometer</li><li>• 877 / 848 Titrino plus</li><li>• 865 / 876 Dosimat plus</li><li>• 91X Meter (cable 6.2151.140)</li><li>• Eco Dosimat / Titrator</li><li>• 862 Compact Titrosampler</li><li>• 870 KF Titrino plus</li><li>• 899 Coulometer</li></ul> <p>Paper width 60 mm (40 characters). Including 6.2151.120 USB cable.</p>                                                                                                                                                                                                                                                          |
| 6.0278.300 | <p>iUnitrode with Pt1000</p> <p>Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. This electrode is particularly suitable:</p> <ul style="list-style-type: none"><li>• for pH measurements and titrations in difficult, viscous, or alkaline samples</li><li>• at elevated temperatures</li><li>• for long-term measurements</li></ul> <p>The fixed ground-joint diaphragm is insensitive to contamination.</p> <p>Reference electrolyte: <math>c(\text{KCl}) = 3 \text{ mol/L}</math>, storage in storage solution.<br/>Alternatively: reference electrolyte for measurements at <math>T &gt; 80^\circ\text{C}</math>: Idrolyte, storage in Idrolyte.<br/>iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.</p> |



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



Conductivity measuring cell  $c = 0.1 \text{ cm}^{-1}$  with Pt1000 (fixed cable)

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 ( $0 \text{ }\mu\text{S/cm}$  to  $300 \text{ }\mu\text{S/cm}$ ) in, e.g. deion. water.



Conductivity measuring cell  $c = 1.6 \text{ cm}^{-1}$  with Pt1000 (fixed cable)

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  $1000 \text{ mS/cm}$ ), e.g., in:

- sea water
- flush water
- physiological solutions



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



6.5623.000

O<sub>2</sub> Lumitrode replacement set

Replacement set for the O<sub>2</sub> Lumitrode. The set contains a certified O<sub>2</sub> cap as replacement, a calibration vessel, and 5 x 30 mL oxygen standard, 0%.



6.2329.000

Oxygen standard 0%

Oxygen standard for 0% calibration of the O<sub>2</sub>-Lumitrode. Contains 5 sachets of 30 mL each.

