914 pH/Conductometer

2.914.0020

Misuratore di conducibilità/pH a due canali per la misura di pH/mV/conducibilità/TDS/salinità e temperatura. Questo strumento di misura alimentato a batterie rappresenta la dotazione migliore per effettuare misure sul campo.

- Misuratore di conducibilità/pH portatile con gruppo batterie integrato
- Misura parallela di valore di pH e conducibilità
- Ingresso di misura per pH analogico per elettrodi per pH standard Metrohm
- Ingresso di misura della conducibilità analogico per le celle di misura della conducibilità a 4 conduttori di Metrohm
- Alloggiamento robusto, impermeabile ad acqua e polvere (IP67) per l'impiego resistente all'interno e all'esterno del laboratorio
- Display LCD a colori con retroilluminazione per una facile leggibilità dei risultati
- Interfaccia USB per l'esportazione semplice dei dati su PC o stampante
- Grande memoria interna (10 000 set di dati)
- Le modalità esperto e utente protette da PIN impediscono la modifica indesiderata dei parametri
- Stampa ed esportazione dati conformi alla Buona pratica di laboratorio con identificativo utente e marca temporale

Parti incluse 2.914.0020

Qt.	Order no.	Descrizione
1 PCS	1.914.0020	914 pH/Conductometer

Two-channel pH/conductivity meter for routine use in the laboratory and on the road – version for connection of conventional pH electrodes.

pH (or mV) and conductivity (or TDS, salinity) and temperatures can be measured in parallel and output to a large colour display with the 914 pH /Conductometer. Important information such as charge state, user, IDs can be clearly seen at a glance. A PIN-protected expert mode protects against unintentional changes of different parameters.

The meter is furnished with an accumulator for mobile use that can be charged practically anywhere. It naturally also satisfies the requirements of IP67.

A stand plate allows the mobile meter to be easily converted into a laboratory meter and vice versa.

Very large measured value memory (10,000 data sets) and USB interface (GLP-compliant printout or data export with optional management of the data in tiBase) offer professional data handling.

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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.

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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

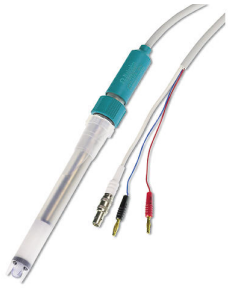
USB power supply unit for 912 / 913 / 914

Efficiency Level VI

Accessori opzionali

Order no.	Descrizione
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.
6.00226.600	Spearhead electrode with Pt1000 Maintenance-free combined pH electrode (gel electrolyte) for piercing measurements of all types (e.g., with cheese, meat, dough) with integrated Pt1000 temperature sensor. The electrode is stored in saturated potassium chloride solution c(KCl) = sat. (6.2308.000) and is not suitable for low-ion solutions. The ageing indicator gives early indication of when the electrode needs to be replaced.
6.0224.100	Biotrode Combined pH electrode for measurements in very small sample volumes (>50 uL) and biological samples. Idrolyte (6.2308.040) is used as reference electrolyte and storage solution.

6.0228.000 Solitrode with Pt1000 (fixed cable 1.2 m)



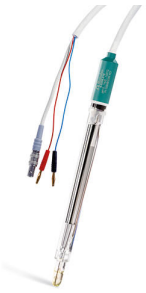
Combined pH electrode with integrated Pt1000 temperature sensor and fixed cable (1.2 m). This electrode is suitable for routine pH measurements in solutions that do not contain precipitates, proteins, or sulfides. This electrode is mechanically resistant thanks to the robust /unbreakable plastic shaft made of polypropylene and impact protection for the glass membrane.

Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.

6.0228.030 Solitrode with Pt1000 (IP67, fixed cable 1.2 m)

Combined pH electrode with integrated temperature sensor (Pt1000) and fixed cable conforming to IP67 (1.2 m).
This electrode is suitable for an introduction to GLP-compliant pH measurements in solutions that do not contain precipitates, proteins, or sulfides. This electrode is mechanically resistant thanks to the robust /unbreakable plastic shaft made of polypropylene and impact protection for the glass membrane.
Additionally, this electrode offers a waterproof plug in accordance with IP67 for mobile use with Metrohm pH meters.
Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.

6.0258.010 Unitrode with Pt1000 (fixed cable 1.2 m, 2 mm)



Combined pH electrode with integrated Pt1000 temperature sensor and fixed cable (1.2 m, diameter banana plug 2 mm). 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.

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

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

6.2001.130 Stand plate for 912/913/914

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

6.2104.600 Electrode cable for plug in head U/plug F, 2x2 mm B, 1m

For connecting electrodes with Metrohm plug-in head U to Metrohm instruments (socket F).

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.

6.2307.230 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

6.2313.000 Electrolyte 3 mol/L KCl (1000 mL)

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

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