

# 912 Conductometer

# 913 pH Meter

# 914 pH/Conductometer



The new generation of Metrohm meters for  
pH and conductivity measurement

# The new generation of Metrohm meters – 912 Conductometer, 913 pH Meter and 914 pH/Conductometer

02

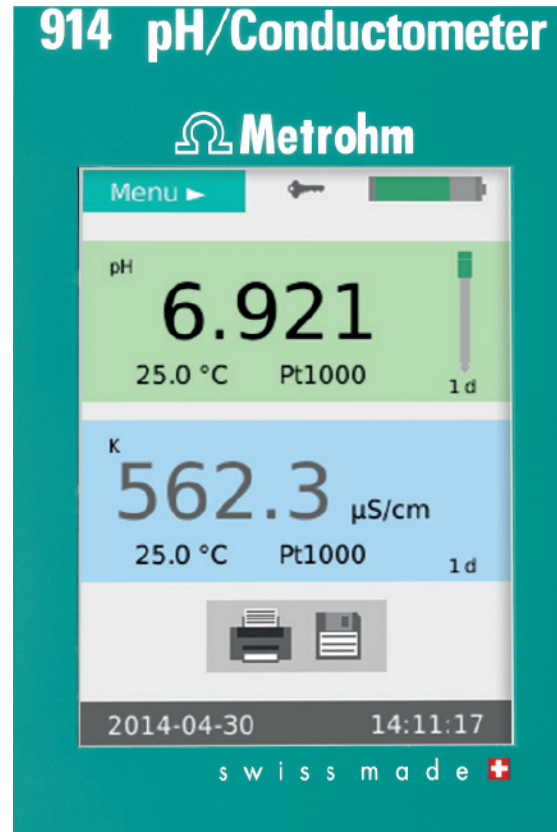
Metrohm presents the 912 Conductometer, the 913 pH Meter and the 914 pH/Conductometer, a new generation of meters for pH and conductivity measurement. The new meters are every inch a «Metrohm» – flexible, robust, reliable, and ingeniously simple to use.

## «Two-in-one» – for indoors and outdoors

The new Metrohm meters are «two in one»: precision instruments for measurements in the laboratory and robust companions for mobile use in the field and at the process. Optional battery operation makes the new meters independent of a power grid. They can even be recharged on the road on the cigarette lighter with the use of an adapter.

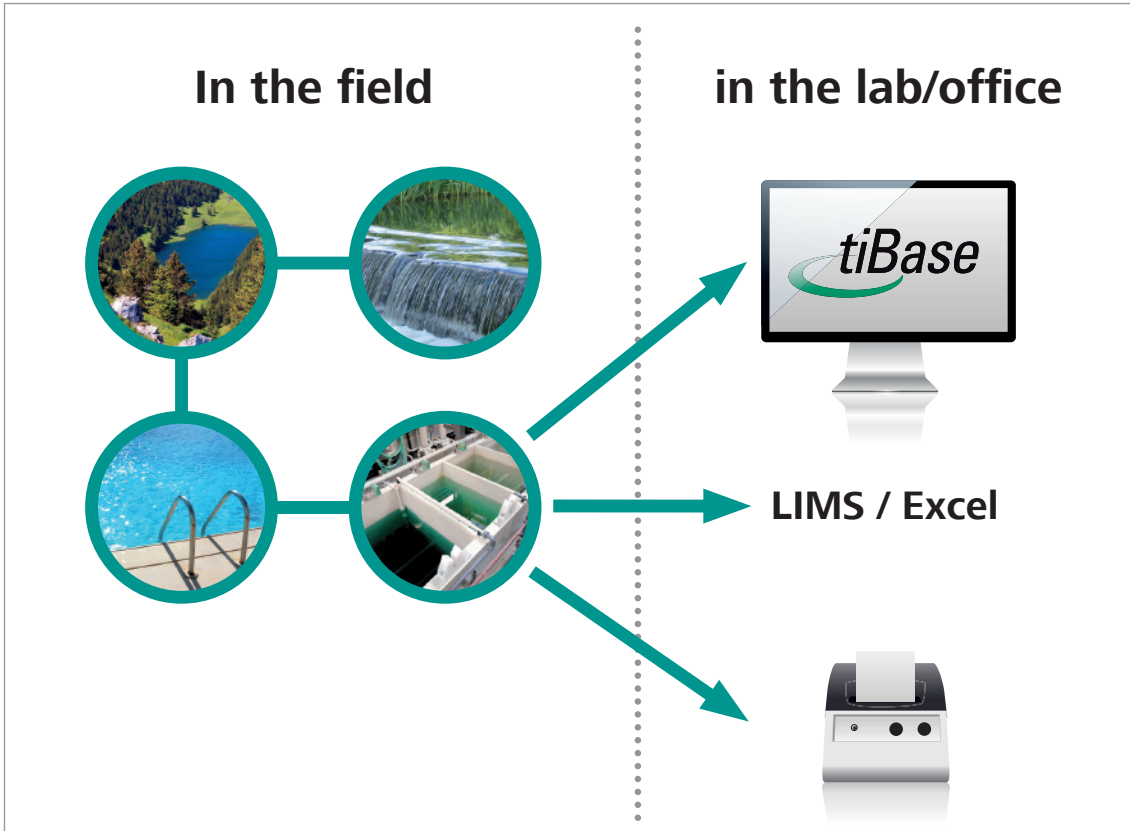
## Measuring on two channels at once

«Two-in-one» applies to the performance of the new meters, too: parallel measurement of pH and conductivity with the 914 pH/Conductometer, parallel recording of two pH values with the 913 pH Meter. Moreover, both versions indicate the temperature(s) of the sample(s).



## Advantages of the new meters

- **Laboratory and measuring instrument in one** with all of the features such as IP67, optional battery operation, and much more
- **Clearly organized color user interface** with two-channel display (multilingual) and all important information at a glance
- **Security in everyday work** through sensor quality symbol and alternative dialogs for expert or routine users
- **Professional data handling** through reports complying with GLP and various data export and data management options



**Whether outside in the field or in the process:** Do measurements in several locations and save the results with the press of a key. You can print out the collected data or read it out to the PC in your office or laboratory to manage it in **tiBase** or export it to your LIMS/Excel.



**913 pH Meter** – measuring two pH values simultaneously



**914 pH/Conductometer** – measuring pH value and conductivity simultaneously

## The new Metrohm meters – flexible, robust and reliable

04

### Carrying out measurements in the laboratory ...

On the laboratory bench, the new meters sit in a space-saving stand plate. They can of course be removed from the pod at any time for mobile use. All versions of the new meters are equipped with a large color display.

The 914 pH/Conductometer shows you at a glance the pH value, the conductivity, and two temperature values. As a result of the two separate measuring inputs, conductivity and pH value can be measured in parallel, even in the same beaker.

With the 913 pH Meter, you can measure two pH values and two temperature values simultaneously. Two separate measuring inputs are available here as well.

The 912 Conductometer is equipped with a measuring input for conductivity, TDS, salinity, and temperature.



### ... and in the field or in the process

The new meters come along with you wherever you would like to go. Their ergonomic design makes sure they fit comfortably in one hand. Each key on the clearly organized user interface comes equipped with a secure pressure point. This means you can operate the new meters intuitively with your left or right thumb. Your other hand remains free and holds the electrode(s) in the medium in which you would like to make your measurements.

No socket around to plug in your meter? Don't worry, the new meters have an accumulator that can be charged practically anywhere:

- on the road with a suitable adapter on the cigarette lighter in the car
- directly on the PC/laptop
- or with the Metrohm power supply unit, that can also be used for measurements in the laboratory

### Insensitive to moisture

The new meters are very robust. Even if your meter were to fall into water for a short time, this would not do any harm, as the new meters meet the requirements of protection class IP67.



#### Reliable results through sensor monitoring and routine dialog

A sensor quality symbol on the monitor of the meter provides continuous information as to whether the pH sensor is still good or not for measurements and when the next calibration is due.

The new meters come with an expert and a routine dialog. While the routine dialog restricts users to a limited scope of functions, a freely selectable password allows expert users to access the complete capabilities of the meters.

#### Printing in compliance with GLP ...

You would like to have your results black on white in the laboratory but have no access to a PC? No problem – you can connect your 912 / 913 / 914 Meter directly to a POS or A4 printer and print out your measurement results in compliance with GLP.

#### ... or practical data export and management

Another option is to have your results simply uploaded onto the PC at the office. The new meters log onto your PC just like a USB flash drive. Now you can export your measurement results together with all other sample data directly into your LIMS or Excel. If you like, you can manage your measurement results in **tiBase**, the proven Metrohm titration software – with all of the options and convenience of a modern data management system.



#### Typical Metrohm: the maximum in precision and reliability

In addition to high-precision measurement technology on the parts of the meters, Metrohm also offers you a complete portfolio of sensors. Each sensor is tested separately and receives an individual quality certificate upon passing the test.

Not only analog but also intelligent potentiometric sensors can be used with the new pH meters. The electronics of our intelligent sensors provide an added benefit in terms of measuring convenience and reliability of results and offer complete traceability of data.



## Versions to match every need

06

The new meters are available in different versions: in the basic configuration as a mobile meter, with stand plate as a version for use in the laboratory (an accessory kit can be used to convert the mobile meter to the laboratory version at any time) or in a practical case with the complete accessories for measurements on the road.

**3 versions:** basic version, ...





# Ordering informations

## **912 Conductometer**

- 2.912.0010 Conductometer
- 2.912.0110 Conductometer with conductivity sensor in case with various accessories
- 2.912.0210 Conductometer Lab with stand plate

## **913 pH Meter**

- 2.913.0010 pH Meter
- 2.913.0110 pH Meter with Primatrode in case with various accessories
- 2.913.0210 pH Meter Lab with stand plate

## **914 pH/Conductometer with iConnect**

- 2.914.0010 pH/Conductometer with iConnect
- 2.914.0110 pH/Conductometer with iConnect, iUnitrode, conductivity sensor in case with various accessories
- 2.914.0210 pH/Conductometer Lab with iConnect and stand plate

## **914 pH/Conductometer**

- 2.914.0020 pH/Conductometer
- 2.914.0120 pH/Conductometer with Primatrode, conductivity sensor in case with various accessories
- 2.914.0220 pH/Conductometer Lab with stand plate

## **Optional accessories**

- 2.142.0100 Thermoprinter Custom Q3X
- 2.143.0100 Epson TM U220B impact printer

[www.metrohm.com](http://www.metrohm.com)

