



949 pH Meter with Solitrode

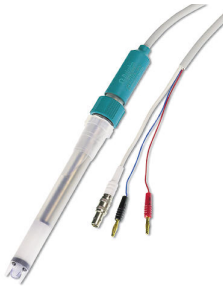
2.949.0220

The 949 pH Meter is the perfect tabletop pH meter for quick and precise pH measurements. Ideal for laboratories, research institutes and industrial environments where pH analyses are performed regularly.

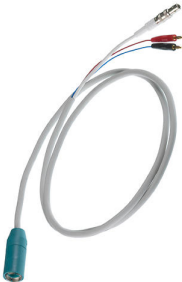
- Complete tabletop pH measuring instrument with color display
- Measures pH, mV, and ORP with temperature display for comprehensive analyses
- Simple pH calibration with Metrohm, USA, and NIST buffers up to 3 points or by user-defined 2-point calibration
- Display of the calibrated values with symbols for clear readability
- Signals measurement stability and offers the option of selecting between 3 stability criteria for reliable results
- In conformance with GLP with embedded date and time
- Display of calibration data and setting of the calibration deadline
- Solitrode with stable plastic shaft for long-lasting use

Included in the package are the 949 pH Meter, the electrode holder, the power supply unit, and the Solitrode with Pt1000 with fixed cable for simple and immediate use.

Phạm vi giao hàng 2.949.0220

Qt.	Order no.	Description
1 PCS	1.949.0210	949 pH Meter with electrode holder and power supply unit
		
1 PCS	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: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.
		
1 PCS	6.2166.200	Power supply unit for 949 pH Meter
		Tabletop power supply unit, 100–240 V, 50–60 Hz, 5 V DC, for 949 pH Meter Efficiency Level VI
		
1 PCS	6.2001.140	Electrode holder with stand base
		Electrode holder for 949 pH Meter
		

Phụ kiện tùy chọn

Order no.	Description	
6.2104.020	Electrode cable / 1 m / F For connecting electrodes with Metrohm plug-in head G to Metrohm instruments (socket F).	
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).	
6.1110.100	Pt1000 temperature sensor (installation length 12.5 cm) Pt1000 temperature sensor (class B) made of glass. This PT1000 temperature sensor is also available under the article number 6.1110.110 with an installation length of 17.8 cm.	
6.2307.200	Buffer solution pH 4.00 (30 x 30 mL) Buffer solution pH 4.00 (25 °C) in single use sachets, colorless	

6.2307.100

Buffer solution pH 4 (500 mL)

Ready-to-use buffer solution pH = 4 (25 °C), colored, with closure seal



6.2307.110

Buffer solution pH 7 (500 mL)

Ready-to-use buffer solution pH = 7 (25 °C), colored, with closure seal



6.2307.120

Buffer solution pH 9 (500 mL)

Ready-to-use buffer solution pH = 9 (25 °C), colorless, with closure seal



Compact impact printer with USB and RS232 interface for

- 900 Touch Control (+)
- 915 KF Ti-Touch (+)
- 916 Ti-Touch (+)
- 917 Coulometer (+)
- 91X Meter (+)
- Eco Dosimat/Titrator (+)
- 877/848 Titrino plus (additional 6.2151.100 required)
- 865/876 Dosimat plus (additional 6.2151.100 required)
- 862 Compact Titrosampler (additional 6.2151.100 required)
- 870 KF Titrino plus (additional 6.2151.100 required)
- 899 Coulometer (additional 6.2151.100 required)



(+) Cable included in scope of delivery

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 $c(\text{KCl}) = \text{sat.}$ (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.



6.0256.100

Flat membrane electrode

This combined pH electrode is well suited for:

- pH measurements on surfaces, such as paper, textiles, leather
- pH measurement/titration in small sample volumes (min. immersion depth = 1 mm)
- pH measurement/titration of aqueous suspension

Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.



6.0224.100

Biotrode

Combined pH electrode for measurements in very small sample volumes (>50 µL) and biological samples.

Idrolyte (6.2308.040) is used as reference electrolyte and storage solution.



6.0239.100

Viscotrode

Combined pH electrode for pH measurement / titration of:

- viscous samples (e.g., nutrient solutions, emulsions)
- protein- or sulfide-containing media

The flexible ground-joint diaphragm is insensitive to contamination and easy to clean.

Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.



6.2104.140

Electrode cable / 1 m / 2 x 2 mm

For connecting temperature sensors with Metrohm plug-in head G with 780, 781, 826, 827 pH/Ion meters and all Titrandos



6.2306.020

Redox standard 250 mV (250 mL)

Redox standard (with $\text{Ag}/\text{AgCl}/c(\text{KCl})=3 \text{ mol/L}$ reference electrode gives $U = 250 \pm 5 \text{ mV}$ (20° C); can also be used as buffer pH=7)



Combined pH electrode with integrated Pt1000 temperature sensor for pH measurements/titrations. This electrode is particularly suitable:

- for pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
- for long-term measurements



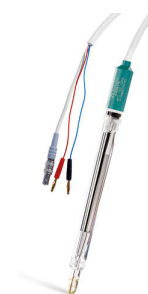
The fixed ground-joint diaphragm is insensitive to contamination.

Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.

Alternatively: reference electrolyte for measurements at $T > 80^\circ\text{C}$: Idrolyte, storage in Idrolyte.

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: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.

Alternatively: reference electrolyte for measurements at $T > 80^\circ\text{C}$: Idrolyte, storage in Idrolyte.

Combined platinum ring electrode with a ceramic pin diaphragm. This electrode is well suited for redox titrations when the pH value varies, e.g.:

- oxygen content according to Winkler
- determination of hydrogen peroxide with KMnO_4
- diazotization titrations



$c(\text{KCl}) = 3 \text{ mol/L}$ is used as reference electrolyte and storage solution.

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



6.2307.210 Buffer solution pH 7.00 (30 x 30 mL)

Buffer solution pH 7.00 (25 °C) in single use sachets, colorless



6.2307.220 Buffer solution pH 9.00 (30 x 30 mL)

Buffer solution pH 9.00 (25 °C) in single use sachets, colorless



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