# Syntrode with Pt1000 (length 51.8 cm)

6.00249.600

Combined pH electrode with integrated Pt1000 temperature sensor, installation length 43.8 cm.

This electrode is well suited:

- for use in synthesis and bioreactors, e.g., STAT titrations
- at elevated temperatures
- for long-term measurements

Thanks to the fixed ground-joint diaphragm, the electrode is insensitive to contamination, and it is equipped a storage vessel for the reference electrolyte.

Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.
Alternatively: reference electrolyte for measurements at T>80°C: Idrolyte, storage in Idrolyte.

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

## Optional accessories

| Order no. | Description | |
|---|---|---|
| 6.1236.050 | Sleeve with SGJ 14/12 mm<br><br>Sleeve with SGJ 14/12 mm, polyethylene. |  |
| 6.2008.040 | Storage vessel<br><br>Together with 6.2008.050 storage vessel holder. it provides a support for the electrode on 807 Dosing Units. |  |
| 6.2103.150 | Adapter red 4 mm plug / 2 mm soc<br><br>Adapter for connecting electrodes with 2 mm plug to instruments with 4 mm socket (banana) |  |
| 6.2104.600 | Electrode cable for plug in head U/plug F, 2x2 mm B, 1m<br><br>For connecting electrodes with Metrohm plug-in head U to Metrohm instruments (socket F). |  |

6.2104.610 Electrode cable for plug in head U/plug F, 2x2 mm B, 2m

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

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6.2308.020 Electrolyte 3 mol/L KCl (250 mL)

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

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6.2308.040 Idrolyte (250 mL)

Idrolyte (for 6.0224.100 Electrode and Unitrode at T >80°C)

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6.2323.000 Storage solution

Storage solution for all combined pH glass electrodes with reference electrolyte c(KCl) = 3 mol/L

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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

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6.2325.100 Cleaning solution 3 x 50 mL

Reliable measuring results over long periods of time can be guaranteed only if the pH glass membrane and the diaphragm receive preventive and regular care. Cleaning by etching with toxic chemicals or applying mechanical treatment to the diaphragm is not only complicated and expensive, it also accelerates the ageing of the pH glass electrode.
The cleaning solution was developed for easy and gentle cleaning of pH glass electrodes. Regular use can considerably prolong their service life.

This cleaning solution is also part of the pHit kit.

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