



## dProfitrode

6.00204.300

Digital, combined pH electrode for OMNIS with double-junction system. This electrode is suitable for pH measurements/titrations of samples

- that contaminate the reference system of the electrode (e.g., galvanic baths, samples containing sulfides)
- for which potassium chloride  $c(\text{KCl}) = 3 \text{ mol/L}$  cannot be used as reference electrolyte (e.g., reaction of potassium or chloride with sample)

The electrode is equipped with a flexible ground-joint diaphragm which is insensitive to contamination and which can be exchanged when needed.

When  $c(\text{KCl}) = 3 \text{ mol/L}$  is used as bridge electrolyte, storage in storage solution is recommended.

The bridge electrolyte can be easily replaced with a suitable electrolyte (e.g., potassium nitrate  $c(\text{KNO}_3) = 1 \text{ mol/L}$  (6.2310.010)). Storage in the bridge electrolyte used.

dTrodes can be used on OMNIS Titrators.

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.

Scope of delivery 6.00204.300

| Qt.                                                                                 | Order no.  | Description                                                                                                                    |
|-------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|
| 100 Stk                                                                             | 6.1236.050 | Sleeve with SGJ 14/12 mm<br>Sleeve with SGJ 14/12 mm, polyethylene.                                                            |
|  |            |                                                                                                                                |
| 100 Stk                                                                             | 6.2008.040 | Storage vessel<br>Together with 6.2008.050 storage vessel holder. it provides a support for the electrode on 807 Dosing Units. |
|  |            |                                                                                                                                |

## Optional accessories

| Order no.   | Description                                                                                                                                                                                                                                                                      |                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 6.2308.020  | Electrolyte 3 mol/L KCl (250 mL)<br><br>Electrolyte solution $c(\text{KCl}) = 3 \text{ mol/L}$ , (for Ag/AgCl reference systems)                                                                                                                                                 |    |
| 6.2323.000  | Storage solution<br><br>Storage solution for all combined pH glass electrodes with reference electrolyte $c(\text{KCl}) = 3 \text{ mol/L}$                                                                                                                                       |    |
| 6.2325.000  | pHit kit<br><br>Maintenance kit for pH electrodes<br><br>The kit contains: <ul style="list-style-type: none"><li>• 50 mL cleaning solution</li><li>• 50 mL 3M KCl solution</li><li>• 50 mL storage solution</li><li>• 2 Storage vessels</li><li>• Instructions for use</li></ul> |  |
| 6.02104.300 | Electrode cable plug-in head Q / plug P, 0.55 m<br><br>Cable for connecting a dTrobe (plug-in head Q) to the digital measuring module from OMNIS.                                                                                                                                |  |

6.02104.310 Electrode cable plug-in head Q / plug P, 1.5 m

Cable for connecting a dTrobe (plug-in head Q) to the digital measuring module from OMNIS.



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6.2310.010 Electrolyte KNO<sub>3</sub>-1 mol/L 250 mL

Electrolyte solution KNO<sub>3</sub> 1 M (reference electrolyte for combined silver electrodes)



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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.

