





## Accessories for 2.888.0210

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 2.888.0210

| Qty.  | Order no.  | Description  |   |
|-------|------------|--|---|
| 1 pcs | 1.801.0010 | <b>801 Stirrer</b>   |    |
|       |            | Magnetic stirrer without stand for supplementing the Titrino plus, Dosimat plus, Titrandos, Sample Processors, 805 Dosimats and 780/781 pH Meters. With permanently attached cable for MSB (Metrohm Serial Bus). |   |
| 1 pcs | 1.888.0010 | <b>Titrando</b>  |   |
| 1 pcs | 6.0262.100 | <b>Ecotrode Plus</b>   |  |
|       |            | Combined pH electrode for aqueous acid/base titration. The fixed ground-joint diaphragm is insensitive to contamination. Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$ , storage in storage solution. |   |
| 1 pcs | 6.1903.020 | <b>Stirring bar / 16 mm</b>  |  |
|       |            | Stirring Bar with magnetic core, PTFE coated, length 16 mm   |   |

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**1 pcs**      **6.1903.030**      **Stirring bar / 25 mm**

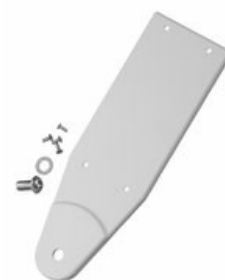
Stirring bar with magnetic core, PTFE covering, length 25 mm.




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**1 pcs**      **6.2001.060**      **Support stand without support rod**

To attach an 801, 804, 803 Stirrer to a Titrande, Titrino plus, Dosimat plus or 856 and 867.




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**1 pcs**      **6.2013.010**      **Clamping ring**

For support rods with a diameter of 10 mm.




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**1 pcs**      **6.2016.070**      **Support rod / 400 mm**









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**1 pcs**      **6.2021.020**      **Electrode holder**

Electrode holder for 4 electrodes and 2 buret tips



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|              |                   |  |   |
|--------------|-------------------|--|---|
| <b>1 pcs</b> | <b>6.2104.020</b> | <b>Electrode cable / 1 m / F</b><br>For connecting electrodes with Metrohm plug-in head G to Metrohm instruments (socket F). |    |
| <b>1 pcs</b> | <b>6.2151.000</b> | <b>Cable USB A – mini-DIN 8-pin</b><br>Controller cable  |    |
| <b>1 pcs</b> | <b>6.2621.070</b> | <b>5 mm hex key for IC Sample Processors</b>   |   |
| <b>1 pcs</b> | <b>6.2621.130</b> | <b>Hexagon key 2 mm</b><br>2 mm.   |  |
| <b>1 pcs</b> | <b>6.2739.010</b> | <b>Wrench</b><br>For exchange units.   |  |

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**1 pcs      6.3026.220      Exchange Unit 20 mL**

Exchange unit with integrated data chip with 20 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.



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**1 pcs      6.6056.301      tiamo™ 3.0 light USB: 1 license**

tiamo™ 3.0 light computer program for controlling a titration system.

Up to two Metrohm instruments (Titrino, Titrand, etc.) can be connected; balances and other generic (i.e. non-Metrohm) instruments can be included without limitation

Graphical method editor with numerous templates

Layout manager for individual monitor interface

Professional database with reevaluation

High-performance report generator

Data export as PDF file, CSV, SLK

No parallel titration

No data export in XML format for LIMS

Dialog languages: German, English, French, Italian, Spanish, Czech, Portuguese, Polish, Russian, Slovakian, Japanese, Chinese, Traditional Chinese



## Optional accessories

| Order no. | Description |
|-----------|-------------|
|-----------|-------------|

**2.800.0010**      **800 Dosino**

Drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).



**2.802.0040**      **802 Stirrer (propeller stirrer) for 804 Ti Stand**

Rod stirrer with 6.1909.010 Propeller stirrer.



**2.804.0040**      **804 Ti Stand with stand**

Titration stand and controller for 802 Rod Stirrer. The 804 Ti Stand together with the optional 802 Rod Stirrer provides an alternative to the magnetic stirrer. Ti Stand with base plate, support rod and electrode holder.



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**2.805.0010      805 Dosimat**

Dosing device for the Titrando and Sample Processors with read/write hardware for intelligent Exchange Units. With permanently attached cable. Without Exchange Unit.



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**2.854.0010      854 iConnect**

854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».



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**6.0277.300      iAquatrode plus with Pt1000**

Intelligent, combined pH electrode with integrated memory chip for storing sensor data and with Pt1000 temperature sensor for pH measurements/titrations in ion-deficient aqueous media (e.g., drinking water, process water). This electrode shows a very short response time in these samples.

The fixed ground-joint diaphragm is insensitive to contamination.

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 chloride-free electrolyte (e.g., potassium nitrate  $c(\text{KNO}_3) = 1 \text{ mol/L}$  (6.2310.010)). Storage in the used bridge electrolyte.

iTrodes can be connected to Titrando, Ti-Touch, or 913/914 meters.



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**6.0278.300      iUnitrode with Pt1000**

Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. 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.

iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.



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**6.0279.300      iSolvotrode**

Intelligent, combined pH electrode with integrated memory chip for storing sensor data for all non-aqueous acid/base titrations.

The glass membrane is optimized for poorly conducting solutions, and thanks to the flexible ground-joint diaphragm, the electrode is well suited for contaminated samples. This electrode can be used with non-aqueous reference electrolytes (lithium chloride or tetraethylammonium bromide). Storage in the respective reference electrolyte.

iTodes can be connected to Titrand, Ti-Touch, or 913/914 meters.



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**6.0471.300      iPt Titrode**

Combined platinum ring electrode with a pH glass membrane as reference electrode and integrated memory chip for storing sensor data.

This maintenance-free electrode is well suited for redox titrations when the pH value remains constant, e.g.:

- iodometry
- chromatometry
- cerimetry
- permanganometry

This electrode is stored in deion. water.



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**6.2103.130      Adapter red 2 mm plug / 4 mm socket**

For connecting plug B (4 mm) to 2 mm socket.



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**6.2103.140      Adapter black 2 mm plug / B socket 4 mm**

For connecting plug B (4 mm) to 2 mm socket.



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**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).



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**6.2148.010 Remote Box MSB**

Additional remote interface for the connection of devices that can be controlled via remote lines. With permanently attached cable.



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**6.2148.020 RS-232/USB box**

Extends the Titrande, USB Sample Processors, Dosing Interface, Titrosampler by two RS-232 interfaces for connecting e.g. balances, PC, LIMS. Requires 6.2151.030 cable.



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**6.3026.110 Exchange Unit 1 mL**

Exchange Unit with integrated data chip with 1 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, antidiffusion buret tip and standard amber glass reagent bottle.



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**6.3026.150 Exchange Unit 5 mL**

Exchange Unit with integrated data chip with 5 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.





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**6.3026.210 Exchange Unit 10 mL**

Exchange unit with integrated data chip with 10 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, anti-diffusion buret tip and standard amber glass reagent bottle.



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**6.3026.250 Exchange unit 50 mL**

Exchange unit with integrated data chip with 50 mL glass cylinder and light protection. PCTFE/PTFE flat stopcock, FEP tubing connection, antidiffusion tip and standard amber glass reagent bottle.



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**6.3032.120 Dosing Unit 2 mL**

Dosing unit with integrated data chip with 2 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 glass thread. FEP tubing connection, anti-diffusion buret tip.



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**6.3032.150 Dosing Unit 5 mL**

Dosing unit with integrated data chip with 5 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



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**6.3032.210 Dosing Unit 10 mL**

Dosing unit with integrated data chip with 10 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



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**6.3032.220 Dosing Unit 20 mL**

Dosing unit with integrated data chip with 20 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.



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**6.3032.250**

**Dosing Unit 50 mL**

Dosing unit with integrated data chip with 50 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.

