









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	801 Stirrer	
		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	Titrando	
1 pcs	6.0262.100	Ecotrode Plus	
		Combined pH electrode for aqueous acid/base titration. The fixed ground-joint diaphragm is insensitive to contamination. Reference electrolyte: c(KCl) = 3 mol/L, storage in storage solution.	
1 pcs	6.1903.020	Stirring bar / 16 mm	
		Stirring Bar with magnetic core, PTFE coated, length 16 mm	

1 pcs	6.1903.030	Stirring bar / 25 mm	
		Stirring bar with magnetic core, PTFE covering, length 25 mm.	
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.	
1 pcs	6.2013.010	Clamping ring	
		For support rods with a diameter of 10 mm.	
1 pcs	6.2016.070	Support rod / 400 mm	
1 pcs	6.2021.020	Electrode holder	
		Electrode holder for 4 electrodes and 2 buret tips	

1 pcs **6.2103.130** **Adapter red 2 mm plug / 4 mm socket**
For connecting plug B (4 mm) to 2 mm socket.



1 pcs **6.2103.140** **Adapter black 2 mm plug / B socket 4 mm**
For connecting plug B (4 mm) to 2 mm socket.



1 pcs **6.2104.020** **Electrode cable / 1 m / F**
For connecting electrodes with Metrohm plug-in head G to Metrohm instruments (socket F).



1 pcs **6.2151.000** **Cable USB A – mini-DIN 8-pin**
Controller cable



1 pcs **6.2621.070** **5 mm hex key for IC Sample Processors**



1 pcs 6.2621.130 **Hexagon key 2 mm**
2 mm.



1 pcs 6.2739.010 **Wrench**
For exchange units.



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.



1 pcs 6.6056.251 **Tiamo 2.5 Light CD: 1 license**

tiamo™ 2.5 Light computer program for controlling a titration system.

- Up to two Metrohm instruments (Titrino, Titrando, 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
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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.



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.



2.854.0010 854 iConnect

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



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.



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.



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.

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



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.



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).



6.2148.010 Remote Box MSB

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



6.2148.020 RS-232/USB box

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



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.



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.



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.



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.



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.



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.



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.



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.



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.

