




## Accessories for 2.907.1020

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 2.907.1020

Qty.	Order no.	Description	
2 pcs	1.800.0030	800 Dosino (cable length 1.5 m)	
		Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 1.5 m).	
1 pcs	1.802.0010	802 Rod Stirrer for 727 Ti Stand	
		Rod stirrer with separate 6.2137.000 Speed controller and 6.1909.010 Propeller stirrer.	
1 pcs	1.804.0010	804 Ti Stand without stand rod	
		Titration stand and controller for 802 Stirrer. The 804 Ti Stand together with the optional 802 Stirrer provides an alternative to the magnetic stirrer. Without stand.	

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**2 pcs    1.854.0010    854 iConnect**

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




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**1 pcs    1.907.0020    907 Titrande**

High-end titrator for use with intelligent electrodes – iTrodes – with

- up to four dosing systems of the 800 Dosino type
- dynamic (DET), monotonic (MET) and endpoint titration (SET), enzymatic and pH-STAT titrations (STAT), Karl Fischer titration (KFT)
- Measurement with ion-selective electrodes (MEAS CONC)
- Dosing functions with monitoring (DOS), Liquid Handling
- four MSB connectors
- **two galvanically isolated measuring interfaces**
- USB connector




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**1 pcs    6.00470.300    iAg Titrode**

Intelligent, combined silver ring electrode with a pH glass membrane as reference electrode and integrated memory chip for storing sensor data.  
This maintenance-free electrode is suitable for precipitation titrations when the pH value remains constant (titrant silver nitrate), for example of:

- chloride, bromide, iodide
- sulfides
- hydrogen sulfide
- mercaptans
- cyanides

This electrode is stored in distilled water.

Depending on the application, we recommend using an Ag Titrode with a coating (AgBr or Ag<sub>2</sub>S coating), which can be ordered accordingly.




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**1 pcs    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(KCl) = 3 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(KNO<sub>3</sub>) = 1 mol/L (6.2310.010)). Storage in the used bridge electrolyte.

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




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**1 pcs    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 Titrande, Ti-Touch, or 913/914 meters.



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**1 pcs    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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**1 pcs    6.1115.000    Optrode**

Optical sensor for photometric titrations offering 8 different wavelengths. The wavelength can be switched using the software (tiamo 2.5 or higher) or with a magnet. The glass shaft is completely solvent-resistant and easy to clean. For example, this space-saving sensor is suitable for:

- Non-aqueous titrations in accordance with USP or EP
- Determinations of carboxyl end groups
- TAN/TBN in accordance with ASTM D974
- Sulfate determination
- Fe, Al, Ca in cement
- Water hardness
- Chondroitin sulfate in accordance with USP

The sensor is not suitable for determinations of concentrations via measurement of color intensity (colorimetry).



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**1 pcs    6.1546.030    Extractor rod**

For PTFE piston of dosing unit



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**2 pcs    6.1608.023    Amber glass bottle / 1000 mL / GL 45**

For Exchange Units. Bottle for auxiliary solutions.



**1 pcs**     **6.1909.010**     **Stirring propeller / 96 mm**  
 Propeller stirrer, length from lower edge of SGJ: 96 mm. For use with beakers with 722, 802 Rod Stirrer



**1 pcs**     **6.2001.060**     **Support stand without support rod**  
 To attach an 801, 804, 803 Stirrer to a Titrande, Titrimo 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



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**2 pcs**     **6.2043.005**     **Holding clip for bottles**

Holding spring for reagent bottles in exchange units.



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**2 pcs**     **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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**2 pcs**     **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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**1 pcs**     **6.2104.020**     **Electrode cable / 1 m / F**

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



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

Controller cable



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**1 pcs**     **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



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**1 pcs**     **6.2308.050**     **Electrolyte 3 mol/L KCl (50 mL)**  
Electrolyte solution  $c(\text{KCl}) = 3 \text{ mol/L}$  (for Ag/AgCl reference systems)



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**1 pcs**     **6.2320.000**     **TEABr 0.4 mol/L in ethylene glycol (250 mL)**  
Electrolyte solution TEABr (tetraethylammonium bromide in ethylene glycol),  $c(\text{TEABr}) = 0.4 \text{ mol/L}$



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**1 pcs**     **6.2323.000**     **Storage solution**  
Storage solution for all combined pH glass electrodes with reference electrolyte  $c(\text{KCl}) = 3 \text{ mol/L}$



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



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



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<b>2 pcs</b>	<b>6.3032.220</b>	<b>Dosing Unit 20 mL</b>
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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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<b>1 pcs</b>	<b>6.6056.252</b>	<b>Tiamo 2.5 Full CD: 1 license</b>
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Computer program for controlling complex titration systems.

- Graphical method editor with numerous templates
- Layout manager for individual monitor interface
- Professional database with reevaluation
- Export to LIMS, NuGenesis, Cyberlab, etc.
- High-performance report generator
- In compliance with the directives according to FDA 21 CFR Part 11
- Parallel titration
- Dialog languages: German, English, French, Italian, Spanish, Portuguese, Polish, Russian, Slovakian, Czech, Japanese, Chinese and Traditional Chinese

