





Accessories for 2.857.0020

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 2.857.0020

Qty.	Order no.	Description	
1 pcs	1.854.0010	854 iConnect	
		854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».	
1 pcs	1.857.0020	857 Titrande	
		High-end titrator for use of intelligent electrodes - iTrodes - and up to four 800 Dosino dosing systems. Dynamic (DET) and monotonic (MET) titration, endpoint titration (SET), enzymatic and pH-STAT titrations (STAT), Karl Fischer titration (KFT), measurements with ion-selective electrodes (MEAS CONC), dosing functions with monitoring (DOS), liquid handling. With four MSB connections, two measuring interfaces (one exclusively for iTrodes plus a combined one for iTrodes and conventional potentiometric electrodes), USB connection.	
1 pcs	2.854.0010	854 iConnect	
		854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».	
2 pcs	6.2043.005	Holding clip for bottles	
		Holding spring for reagent bottles in exchange units.	





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.



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).	
2.801.0040	801 Stirrer with stand	
	Magnetic stirrer including base plate, support rod and electrode holder for supplementing the Titrino plus, Dosimat plus, Titrandos, Sample Processors, 805 Dosimat and 780/781 pH meters as well as the 856 and 867 measuring modules. With permanently attached cable for MSB (Metrohm Serial Bus).	
2.802.0040	802 Stirrer (propeller stirrer) for 804 Ti Stand	
	Rod stirrer with 6.1909.010 Propeller stirrer.	
2.803.0010	803 TI Stand with stirrer and pump	
	Compact titration stand with magnetic stirrer and built-in pump for solvent addition and aspiration of the titration vessel contents. Suitable for Karl Fischer titrations with Titrandos. MSB connection. Including comprehensive accessories, solvent bottle and waste bottle.	

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.



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 Titrando, 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.



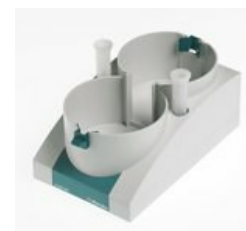
6.2051.030 Wall mounting for Touch Control

Wall mounting for Touch Control



6.2061.010 Bottle holder for Dosinos

Bottle holder for up to two Dosinos, mounted on 1 L reagent bottles.



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



6.2151.000 Cable USB A – mini-DIN 8-pin

Controller cable



6.2151.010 Cable MSB plug / socket

Extension cable for MSB connections and for Touch Control - Titrande, Mini-DIN socket - mini-DIN plug



6.2151.020 Cable USB A - USB B 1.8 m

USB connecting cable



6.2151.030 Cable USB A - USB B / 0.6 m

Connecting cable USB A - USB B



6.2162.000 Bluetooth USB adapter for Titrande systems with 840 Touch Control

Bluetooth adapter for wireless data communication with printers and balances



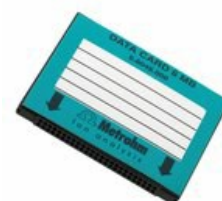
6.2247.000 Adapter CompactFlash card - PC card type II

Adapter for using a CompactFlash card at PCMCIA type II card slot



6.2247.010 CompactFlash card 32 MB

Memory card for saving methods, determinations, sample data, results and backups.



6.2834.030 Foils for Touch Control 840 3 x

Replacement film for 840 Touch Control



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.

