






Accessories for 2.852.0050

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 2.852.0050

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	1.852.0010	852 Titrande	
1 pcs	6.0338.100	Double Pt-wire electrode for volumetry	
		Indicator electrode used for volumetric Karl Fischer titration.	
1 pcs	6.0341.100	Double Pt-wire electrode for coulometry	
		Indicator electrode used for coulometric Karl Fischer titration.	
1 pcs	6.0344.100	Generator electrode with diaphragm	
		Generator electrode with diaphragm for coulometric Karl Fischer titrations, SGJ 29/22. This generator electrode is well suited for:	
		<ul style="list-style-type: none"> • samples with very low absolute water contents < 50 ppm • coulometric water content determination in oil samples • applications where ketone reagents are used • applications where low-conducting reagents are used (addition of chloroform, xylene >10%) 	

1 pcs 6.1244.040 Set of seals

Set of seals for 6.1414.030. The set is comprised of one seal and various O-rings.



1 pcs 6.1403.030 KF adsorber tube for coulometer cell

For KF coulometers.



1 pcs 6.1403.040 KF Adsorber tube

Used with KF equipment. Including cover and O-ring.





1 pcs 6.1414.030 KF titration vessel lid

For volumetric KF titrations.



1 pcs 6.1415.220 Titration vessel / 20-90 mL

1 pcs	6.1415.250	Titration vessel / 50-150 mL	
1 pcs	6.1437.000	SGJ stopper SGJ 14	
1 pcs	6.1446.060	Stopper / B-14/15 / M10	
2 pcs	6.1448.010 Set of 5 items.	Septum 12 mm, 5 pieces	
2 pcs	6.1448.020 Set of 5 pcs.	Septum 16 mm, 5 pieces	
1 pcs	6.1464.320	KF titration vessel / 80-250 mL / coulometric	

2 pcs **6.1903.020** **Stirring bar / 16 mm**
Stirring Bar with magnetic core, PTFE coated, length 16 mm



3 pcs **6.1903.030** **Stirring bar / 25 mm**
Stirring bar with magnetic core, PTFE covering, length 25 mm.



1 pcs **6.2001.090** **Base plate on both sides**
Double stand for attaching 2 x 801, 803, 804 to a Titrande



2 pcs **6.2013.010** **Clamping ring**
For support rods with a diameter of 10 mm.



2 pcs **6.2016.030** **Support rod / 250 mm**



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

Holding spring for reagent bottles in exchange units.



1 pcs **6.2047.020** **Titration vessel holder**

Titration vessel holder for coulometric cells. Used with 756, 831 KF Coulometer



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

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



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

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



2 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	6.2104.120	Electrode cable / 1 m / H With plug H. For connecting generator electrode - KF Coulometer.	
1 pcs	6.2412.000	Weighing boats Weighing boat made of glass for the 6.1414.030 titration vessel lid or the 6.1455.31X, 6.1464.32X, 6.1465.320 titration vessel. For KF water determinations. Including protective tube.	
1 pcs	6.2701.040	GL 18 screw cap with hole Made of PBT. With a hole for the 6.1448.020 septum. For the 6.5405.000 cell without diaphragm and the 6.1464.32X and 6.1465.320 titration vessels.	
3 pcs	6.2713.000	Sleeve For the fat-free ground-joint connection with the standard ground-joint SGJ 14.	
1 pcs	6.2713.010	Sleeve Sleeve for the fat-free ground-joint connection with the standard ground-joint SGJ 29.	

1 pcs **6.2713.020** **Sleeve**

For the fat-free ground-joint connection with the standard ground-joint SGJ 19.



2 pcs **6.2730.010** **Screw nipple**

Made of PP. For 6.1448.010 Septum or for mounting 6.1403.040 Drying tube or 6.0338.100 Electrode in 6.1414.030 and 6.1414.040 KF Titration vessel lids. Used for KF titrations.



1 pcs **6.2730.020** **Septum stopper**

With E.301.0041 O-ring. For 6.1448.010 Septum and 6.1414.030 Titration vessel lid. Used for KF applications.



4 pcs **6.2730.030** **Stopper**

Complete with nipple and O-ring. For 6.1414.030 titration vessel lids. For KF instruments, VA measurement stands, VA Computrace and IC Dilution.



1 pcs **6.2738.000** **Funnel**

For the KF coulometer.



1 pcs 6.2811.000 Molecular sieve

Molecular sieve. Bottle containing 250 g. Pore size: 0.3 nm. Without moisture indicator. For Rancimats and Karl Fischer instruments.



2 pcs 6.2816.030 Needle with Luer connector

Needle for filling in mercury into the Multi-Mode Electrode and for sample addition in Karl Fischer titration.








2 pcs 6.2816.090 Syringe 5 mL

5 mL syringe made of PP, with Luer connector.



Optional accessories

Order no.	Description	
2.136.0100	Polytron PT 1300 D	
	<p>Polytron PT 1300 D - Metrohm version</p> <p>Homogenizer that can be controlled directly by tiamo™ or Touch Control.</p> <p>The Polytron PT 1300 D is comprised of a monitoring instrument and a drive. The coupling system on the drive permits the simple and rapid replacement of the aggregates without additional tools. Solid samples can be pulverized without difficulty. The instrument is however outstandingly suitable for ensuring thorough mixing in viscous samples.</p>	
2.800.0010	800 Dosino	
	<p>Drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).</p>	
2.803.0010	803 TI Stand with stirrer and pump	
	<p>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.</p>	
2.860.0010	860 KF Thermoprep	
	<p>The 860 KF Thermoprep is designed for thermal sample preparation in Karl Fischer titration.</p> <p>Numerous substances cannot be analysed by direct Karl Fischer titration as they are not soluble, react with the Karl Fischer reagent or release their water only very slowly or not until heated to high temperatures. Using tightly sealed sample vials, the sample is inserted in the oven. The samples can be subsequently analysed by any volumetric or coulometric KF titrator.</p>	
2.874.0010	874 USB Oven Sample Processor with tiamo™ full	
	<p>The 874 Oven Sample Processor is used for automatic thermal sample preparation in Karl Fischer titration. The oven method is particularly suitable for samples that do not release their water until higher temperatures have been reached, for sparingly soluble samples or those that react with the KF reagent.</p> <p>Including tiamo™ and additional, extensive accessories.</p>	

2.874.0020 874 USB Oven Sample Processor customized with tiamo™ full

The 874 Oven Sample Processor is used for automatic thermal sample preparation in Karl Fischer titration. The oven method is particularly suitable for samples that do not release their water until higher temperatures have been reached, for sparingly soluble samples or those that react with the KF reagent.

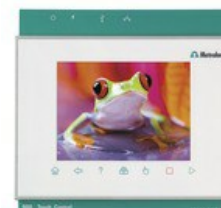
This instrument can be modified to match customer-specific sample vessels. Please contact your Metrohm representative for further information.



2.900.0010 900 Touch Control

Operating unit for the Titrando, USB Sample Processors, 856 Conductivity Module, 867 pH Module and 846 Dosing Interface. Touch-sensitive, high-resolution color display, simple and intuitive operation, thanks to Favorites for direct method access. With integrated Ethernet interface for direct connection to the Internet and USB interface for connecting USB printers or a USB memory stick.

Dialog languages: German, English, Chinese, French, Spanish, Portuguese, Russian, Korean, Polish and Italian.



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, Titrator by two RS-232 interfaces for connecting e.g. balances, PC, LIMS. Requires 6.2151.030 cable.



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.



6.5406.000 Coulometric KF equipment, including generator electrode with diaphragm

Complete accessory set for KF coulometer.



6.5406.010 Coulometric KF equipment, including generator electrode without diaphragm

Complete accessory set for KF coulometer.



6.5617.000 Equipment for reagent replacement

Equipment for automatic reagent replacement with KF coulometer and connected Dosino.



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, 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
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6.6056.252 Tiamo 2.5 Full CD: 1 license

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

6.6056.253 tiamo 2.5 Multi CD: 3 licenses

Client/server-compatible computer program for controlling complex titration systems.

- Graphical method editor with numerous templates
 - Layout manager for individual monitor interface
 - Client/server database
 - 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, Czech, Portuguese, Polish, Russian, Slovakian, Japanese, Chinese and Traditional Chinese
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