



KF Titrando with OMNIS SW

2.890.0310

The 890 Titrando is a high-end titrator for volumetric Karl Fischer titrations. The instrument is equipped with a built-in buret drive, four MSB connectors, a galvanically separated measuring interface, and a USB connector. The OMNIS titration software for controlling the Titrando, the 803 Ti Stand and a 10 mL exchange unit are included in the scope of delivery

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 2.890.0310

Qt.	Order no.	Description
-----	-----------	-------------

1 PCS

1.803.0010

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.



1 PCS

1.890.0010

890 Titrando



1 PCS

6.00346.100

Double Pt ring electrode for volumetry

Indicator electrode for Karl Fischer titration which, thanks to its two fused platinum rings, is more robust and easier to clean than the conventional platinum pin electrode (6.0338.100).



1 PCS

6.06000.000

OMNIS Software storage device

License-based PC program for controlling complex OMNIS analysis systems.

- Sample-oriented operating procedures with numerous templates
- Graphical method editor with numerous templates
- Clearly organized and professional sample lists
- Management of instruments, work systems, sensors, solutions
- Dialog languages: German, English, Chinese

MNI
THE NEW LEVEL OF PERFORMANCE

Enables stand-alone operation of the OMNIS software on a Windows™ computer.

Features:

- The license already includes one OMNIS instrument license.
- Must be activated via the Metrohm licensing portal.



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



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



For volumetric KF titrations.



1 PCS

6.1415.220

Titration vessel / 20-90 mL



1 PCS

6.1415.250

Titration vessel / 50-150 mL



2 PCS

6.1446.040

Threaded stopper / M6



1 PCS

6.1446.060

Stopper / B-14/15 / M10



1 PCS

6.1446.090

Stopper / B-14/15 / M8



2 PCS

6.1448.010

Septum 12 mm, 5 pieces

Set of 5 items.



1 PCS

6.1543.110

Dosing tip / M8 thread

Transfer tip with M8 thread



1 PCS

6.1543.120

Aspiration tip / M8 thread

Aspiration tip if 6.1805.200 siphoning tubing is used



2 PCS

6.1602.105

Bottle attachment / GL 45 / green

For direct dosing from reagent bottles with GL 45 thread.



1 PCS

6.1608.023

Amber glass bottle / 1000 mL / GL 45

For Exchange Units. Bottle for auxiliary solutions.



1 PCS

6.1608.030

Round glass bottle / 1000 mL / GL 45



1 PCS

6.1609.010

Adsorber tube with tubing nipple

Lid with tubing nipple.



1 PCS

6.1623.000

Bottle cap overflow protection

Bottle cap overflow protection for 1 waste bottle, prevents the waste bottle from overflowing when an aspiration pump is used



1 PCS

6.1801.120

PVC tubing / 4 mm / 6 mm / 2 m



2 PCS

6.1805.200

PTFE tubing / M8 / 0.5 m



1 PCS

6.1808.050

Tubing adapter olive / M8 outer

1 M8 outer thread and 1 tubing olive. E.g. for thermostat jacket of exchange units and stability measuring instruments.



1 PCS

6.1819.030

Tube

For M8 threaded holes. For 6.1602.1XX bottle attachments and 6.1608.0XX bottles



1 PCS

6.1819.050

Tube

For M8 threaded holes of 6.1602.10X Bottle attachments with 6.1608.030 Aspiration bottle. For 703 and 803 Ti Stand, 681 Pump Unit and 679 Rancimat



2 PCS

6.1903.020

Stirring bar / 16 mm

Stirring Bar with magnetic core, PTFE coated, length 16 mm



2 PCS

6.1903.030

Stirring bar / 25 mm

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

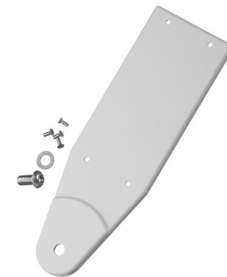


1 PCS

6.2001.060

Support stand without support rod

To attach an 801, 804, 803 Stirrer to a Titrando, 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

6.2023.020

Clip for SGJ 14/15

Clip for SGJ 14/16



2 PCS

6.2043.005

Holding clip for bottles

Holding spring for reagent bottles in exchange units.



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

6.2412.000

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

6.2621.070

5 mm hex key for IC Sample Processors



1 PCS

6.2621.130

Hexagon key 2 mm

2 mm.



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.



3 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

6.2739.000

Wrench

For tightening connectors



1 PCS

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.



Optional accessories

Order no.	Description	
2.860.0010	860 KF Thermoprep	
	The 860 KF Thermoprep is designed for thermal sample preparation in Karl Fischer titration. 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.	
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.	
6.3026.220	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.	

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.



2.136.0100

Polytron PT 1300 D

Polytron PT 1300 D - Metrohm version

Homogenizer that can be controlled directly by OMNIS Software, tiamo™ or Touch Control.

The Polytron PT 1300 D is comprised of a control unit and a drive. The coupling system on the drive permits simple and rapid replacement of the aggregates without additional tools.

Solid samples can be pulverized without difficulty. However the instrument is also highly suitable for ensuring thorough mixing in viscous samples.



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.



6.2811.010

Molecular sieve (US)

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

This product is intended for all users who are US residents. The material is rated hazardous in the US in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200).

