901 Titrando

2.901.0010

The Karl Fischer Titrando for the modern titration laboratory

In addition to the Karl Fischer mode (KFT), the high-end titrator is also equipped with the SET mode and can thus perform titrations to a predefined endpoint.

"iTrode ready": As a result of the high-resolution, galvanic measuring interface – now also for the first time with additional digital measuring input for the intelligent "iTrodes" electrodes – it is additionally possible to perform pH measurements with a maximum of precision.

Thanks to the four MSB connectors, up to four Dosinos can be connected to the 901 Titrando. These can be used not only for titration, but also for the automated addition of sample, standard and auxiliary solutions such as solubility promoters. Furthermore, you have all of the Liquid Handling commands at your disposal, which means that the aspiration of exhausted reagent and the addition of fresh solvent can also be automated.

For use with OMNIS Software, *tiamo* software, or Touch Control unit. Compliance with GMP/GLP and FDA regulations such as 21 CFR Part 11, if required

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 2.901.0010

Qt.	Order no.	Description
1 PCS	1.901.0010	901 Titrando

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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	6.1244.040	Set of seals

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

| 1 PCS | 6.1403.040 | KF Adsorber tube |

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

| 1 PCS | 6.1414.030 | KF titration vessel lid with 5 openings |

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 | 6.1448.010 | Septum 12 mm, 5 pieces |

Set of 5 items.

| 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.

| 5 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	6.2412.000	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.

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.
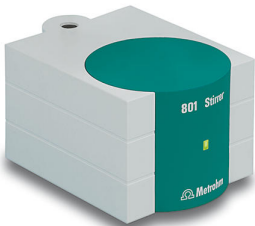

3 PCS	6.2730.030	Stopper

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

Metrohm

Optional accessories

Order no.	Description
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.

| 2.800.0010 | 800 Dosino |

The 800 Dosino is a 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).

| 2.803.0010 | 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.

2.860.0010	860 KF Thermoprep

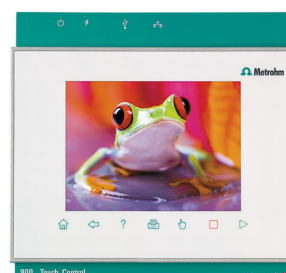The 860 KF Thermoprep is designed for thermal sample preparation in Karl Fischer titration.

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.

2.900.0010	900 Touch Control

Operating unit for the Titrandos, 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.

6.2103.130	Adapter red 2 mm plug / 4 mm socket

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

6.2103.140	Adapter black 2 mm plug / B socket 4 mm

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

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.

6.2168.000   Mini USB adapter cable, 25 cm

Mini USB adapter cable for connecting one 854 iConnect to an 867 pH Module, 901 to 907 Titrandos and 916 Ti-Touch, 25 cm. The adapter cable remains plugged into the instrument as strain relief and the 854 iConnect is only plugged into and unplugged from the adapter cable.

6.3032.120   807 Dosing Unit 2 mL

807 Dosing Unit with integrated data chip with 2 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.

6.3032.150   807 Dosing Unit 5 mL

807 Dosing Unit with integrated data chip with 5 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.

6.3032.210	807 Dosing Unit 10 mL
	807 Dosing Unit with integrated data chip with 10 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.

6.3032.220	807 Dosing Unit 20 mL
	807 Dosing Unit with integrated data chip with 20 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.

6.3032.250	807 Dosing Unit 50 mL
	807 Dosing Unit with integrated data chip with 50 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.