899 Coulometer with generator electrode without diaphragm and 860 KF Thermoprep

2.899.2110

This titration system is comprised of an 899 Coulometer and an 860 KF Thermoprep.
This means that samples unsuitable for direct Karl Fischer titration can be analyzed. With the aid of tightly sealed sample vials, the samples are moved into the oven of the 860 KF Thermoprep. The sample is heated up, the water it contains is vaporized and channeled into the titration cell. The water content of the sample is then determined with the 899 Coulometer.

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 2.899.2110

Order Number	Description	Quantity
1.899.0010	**899 Coulometer**	1 PCS
1.860.0010	**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.	1 PCS
6.0341.100	**Double Pt-wire electrode for coulometry** Indicator electrode used for coulometric Karl Fischer titration.	1 PCS

6.0345.100

Generator electrode without diaphragm 1 PCS

Generator electrode without diaphragm for coulometric Karl Fischer titrations, SGJ 29/22. This generator electrode is well suited for most applications where the sample is highly soluble in alcohol.

6.1403.030

KF adsorber tube for coulometer cell 1 PCS

For KF coulometers.

6.1437.000

SGJ stopper SGJ 14 1 PCS

6.1446.170

Heating tube stopper 1 PCS

for coulometric KF vessels in connection with heatable tubing connection

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6.1448.020

Septum 16 mm, 5 pieces 2 PCS

Set of 5 pcs.

6.1448.057

Aluminum septum caps / 100 pieces 1 PCS

Including Al sealing.

6.1464.320

KF titration vessel / 80-250 mL / coulometric 1 PCS

6.1602.145

Drying flask cap 2 PCS

Screw cap with GL 45 thread for the 6.1608.050 drying flask.

6.1608.050 **Drying bottle / 100 mL / GL 45** 2 PCS

6.1805.010 **FEP tubing / M6 / 13 cm** 1 PCS

With light and kink protection.

6.1805.080 **FEP tubing / M6 / 25 cm** 2 PCS

With light and kink protection.

6.1805.100 **FEP tubing / M6 / 40 cm** 1 PCS

With light and kink protection

6.1808.040

Thread adapter M6 outer / M8 inner 1 PCS

Outer thread M6, inner thread M8.

6.1808.050

Tubing adapter olive / M8 outer 1 PCS

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

6.1821.040

Filter tube 2 PCS

Filter tube for 6.1608.050 Drying bottle. For Rancimats and Karl Fischer ovens.

6.1830.030

Heating tubing 1 PCS

Heating tubing with M6 thread for 860 KF Thermoprep, 885 Compact Oven Sample Processor and 874 USB Oven Sample Processor.

6.1903.030

Stirring bar / 25 mm 1 PCS

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

6.2048.030

Guidance rod 1 PCS

Guidance rod for 860 KF Thermoprep.

6.2049.040

Needle holder with Luer lock 1 PCS

Needle holder (58 mm) with Luer lock for the Karl Fischer ovens 860, 874 and 885.

6.2060.010

Cable holder 1 PCS

Used with 860 KF Thermoprep.

6.2063.010

Sample holder for 6.2419.007 Sample vials (6 mL) 1 PCS

6.2104.020

Electrode cable / 1 m / F 1 PCS

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

6.2104.120

Electrode cable / 1 m / H 1 PCS

With plug H. For connecting generator electrode - KF Coulometer.

6.2151.100

Adapter USB MINI (OTG) - USB A 1 PCS

For connecting USB instruments.

6.2164.010

Power supply unit 100 - 240 V/24 V DC 1 PCS

Power supply unit for 915 KF Ti-Touch, 916 Ti-Touch, 917 Coulometer and all Eco Titrators / Eco Dosimat.

6.2419.007

Sample glass, 6 mL, 100 pieces 1 PCS

Sample glass for up to 6 mL sample, suitable for 6.1448.057 septum, 100 pieces

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6.2621.110

Crimping tongs 1 PCS

Crimping tongs for sealing 6 mL sample vials (6.2419.000, 6.2419.007).

6.2621.120

Hexagon key 1.5 mm 1 PCS

6.2627.000

Oven insert 1 PCS

Used with 860 KF Thermoprep.

6.2701.040

GL 18 screw cap with hole 1 PCS

Made of PBT. With a hole for the 6.1448.020 septum. For the 6.5405.000 cell without diaphragm and the 6.1464.32 X and 6.1465.320 titration vessels.

6.2713.000

PTFE sleeve SGJ14 3 PCS

For fat-free ground-joint connection with the standard ground-joint SGJ 14.

6.2713.010

PTFE sleeve SGJ29 1 PCS

Sleeve for fat-free ground-joint connection with the standard ground-joint SGJ 29.

6.2713.020

PTFE sleeve SGJ19 1 PCS

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

6.2723.310

Protective cover for Titrino plus 1 PCS

Protective cover for display and keypad for all instruments of the Titrino plus family.
Suitable for: 848 Titrino plus, 862 Compact Titrosampler, 863 Compact Autosampler, 865 Dosimat plus, 869 Compact Sample Changer, 870 KF Titrino plus, 876 Dosimat plus, 877 Titrino plus, 899 Coulometer.

6.2724.010

Dust filter 1 PCS

Dust filter for Rancimats and Karl Fischer ovens.

6.2738.000

Funnel 1 PCS

For the KF coulometer.

6.2739.000

Wrench

1 PCS

For tightening connectors

6.2811.000

Molecular sieve

1 PCS

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

6.2816.030

Needle with Luer connector

2 PCS

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

6.2816.070

Septum piercing needle

1 PCS

Used with Karl Fischer ovens.

6.2816.080

Outlet needle 1 PCS

Used with KF Thermoprep and Oven Sample Processor.

6.2816.090

Syringe 5 mL 2 PCS

5 mL syringe made of PP, with Luer connector.

6.2147.000

Numerical USB keypad 1 PCS

Numerical USB keypad for Titrino plus, Dosimat plus, 862 Compact Titrosampler, 869 Compact Sample Changer, 863 Compact Autosampler and 899 Coulometer. With two integrated USB connectors.

6.2047.040

Titration vessel holder for 899/917 1 PCS

Titration vessel holder for coulometric cells for 899 Coulometer and 917 Ti-Touch

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Optional accessories

2.801.0010
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).

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.

6.2148.030
RS-232/USB Box

Extends the Titrino plus by two RS-232 interfaces, e.g., for the connection of balances, PC (tiBase software), LIMS. Requires 6.2151.030 cable.

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.

6.2164.500
Power Box for 899

The Power Box offers the option of operating the 899 Coulometer independently of the mains supply.

2.142.0100
Custom Q3X thermal printer

Compact printer with USB interface for

– 900 Touch Control
– 915 KF Ti-Touch
– 916 Ti-Touch
– 917 Coulometer
– 877 / 848 Titrino plus
– 865 / 876 Dosimat plus
– 91X Meter (cable 6.2151.140)
– Eco Dosimat / Titrator
– 862 Compact Titrosampler
– 870 KF Titrino plus
– 899 Coulometer

Paper width 60 mm (40 characters). Including 6.2151.120 USB cable.

6.2103.140
Adapter black 2 mm plug / B socket 4 mm

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

6.2103.130
Adapter red 2 mm plug / 4 mm socket

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