



# 899 Coulometer with generator electrode without diaphragm

2.899.0110

Thanks to the integrated stirrer, the 899 Coulometer takes up less space on the laboratory table than a sheet of DIN A4 paper. Although small and compact, the coulometer does not compromise on performance. Water contents can be determined with precision down to trace levels. Indicator electrode and generator electrode without diaphragm are included in the scope of delivery.

Recommended measuring range: 10 µg - 200 mg absolute water

Coulometry is the ideal method for water content determination in liquids, solids and gases in the trace range. In addition, coulometry is an absolute method and thus no titer determination is necessary.

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 2.899.0110

| Qt.   | Order no.  | Description    |
|-------|------------|----------------|
| 1 PCS | 1.899.0010 | 899 Coulometer |



|       |            |                                         |
|-------|------------|-----------------------------------------|
| 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 |
|-------|------------|---------------------------------------|

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.



|       |            |                                      |
|-------|------------|--------------------------------------|
| 1 PCS | 6.1403.030 | KF adsorber tube for coulometer cell |
|-------|------------|--------------------------------------|

For KF coulometers.



1 PCS

6.1437.000

SGJ stopper SGJ 14



2 PCS

6.1448.020

Septum 16 mm, 5 pieces

Set of 5 pcs.



1 PCS

6.1464.320

KF titration vessel / 80-250 mL / coulometric



1 PCS

6.1903.030

Stirring bar / 25 mm

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



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

6.2104.120

Electrode cable / 1 m / H

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



1 PCS

6.2151.100

Adapter USB MINI (OTG) - USB A

For connecting USB instruments.



1 PCS

6.2164.010

Power supply unit 100 - 240 V/24 V DC

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



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.



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3 PCS

6.2713.000

PTFE sleeve SGJ14

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



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1 PCS

6.2713.010

PTFE sleeve SGJ29

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



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1 PCS

6.2713.020

PTFE sleeve SGJ19

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



1 PCS

6.2723.310

Protective cover for Titrino plus

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.



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.



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1 PCS

6.2147.000

Numerical USB keypad

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.



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1 PCS

6.2047.040

Titration vessel holder for 899/917

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



## Optional accessories

| Order no.  | Description                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>  |
| 2.885.0010 | 885 Compact Oven Sample Changer    | <p>The 885 Compact Oven Sample Changer is used for thermal sample preparation in Karl Fischer titration. In the oven the samples can be heated up to 250°C. The moisture contained in the sample evaporates and is transported by a dry carrier gas into the titration cell, where the analysis takes place.</p>                                                                                                                                                                               |
| 2.801.0010 | 801 Stirrer                        | <p>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).</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>                                                                                                                                                                                                       |



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.



6.2141.390

Remote cable 885 - 899

Remote cable for connecting an 885 Compact Oven Sample Changer to the 899 Coulometer.



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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.

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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.

