



# 917 Coulometer with generator electrode without diaphragm and 860 KF Thermoprep

2.917.1110

The 917 Coulometer is a compact titrator for coulometric water determination in accordance with Karl Fischer. "Reduced to the max" – operating module, stirrer and pump are integrated in the 917 Coulometer for rapid reagent replacement. This saves a great deal of space on the laboratory table.

The 917 Coulometer now also fulfills FDA Regulation 21 CFR, Part 11. This means you are always on the safe side when it comes to audits.

The 860 KF Thermoprep is used for thermal sample preparation. Many substances are not suitable for direct Karl Fischer titration because they are not soluble, react with the KF reagent or because they release their water content only very slowly or only at high temperatures. Each of the samples is introduced into the oven in tightly sealed sample vessels and their water content is determined with the 917 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 2.917.1110

| Qt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Order no.  | Description                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------|
| 1 PCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.917.0010 | 917 Coulometer                          |
| <p>The 917 Coulometer is a compact titrator for coulometric water determination according to Karl Fischer. "Reduced to the max" – operating module, stirrer and pump are integrated in the 917 Coulometer for rapid reagent replacement. This saves a great deal of space on the laboratory table.</p> <p>Recommended measuring range: 10 µg...200 mg absolute water</p> <p>Coulometry is the ideal method for the determination of trace water in liquids, solids and gases. In addition, coulometry is an absolute method and thus no titer determination is necessary.</p> |            |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                                         |
| 1 PCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.860.0010 | 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>                                                                                |            |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                         |
| 1 PCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.0341.100 | Double Pt-wire electrode for coulometry |
| <p>Indicator electrode used for coulometric Karl Fischer titration.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                         |

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



1 PCS

6.1439.010

KF addition and aspiration tube

KF addition and aspiration tube for coulometer cell, incl. M8 screw connector 6.1811.010.



2 PCS

6.1446.040

Threaded stopper / M6



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1 PCS

6.1446.090

Stopper / B-14/15 / M8



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2 PCS

6.1448.020

Septum 16 mm, 5 pieces

Set of 5 pcs.



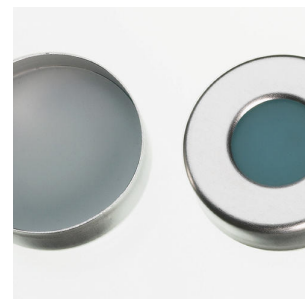
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1 PCS

6.1448.057

Aluminum septum caps / 100 pieces

Including Al sealing.



1 PCS                      6.1465.320                      KF titration vessel with 2 lateral openings / 80-250 mL / coulometric

For 756 and 831 KF Coulometer



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2 PCS                      6.1602.105                      Bottle attachment / GL 45 / green

For direct dosing from reagent bottles with GL 45 thread.



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2 PCS                      6.1602.145                      Drying flask cap

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



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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



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2 PCS

6.1608.050

Drying bottle / 100 mL / GL 45



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1 PCS

6.1609.010

Adsorber tube with tubing nipple

Lid with tubing nipple.



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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



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1 PCS

6.1805.010

FEP tubing / M6 / 13 cm

With light and kink protection.



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2 PCS

6.1805.080

FEP tubing / M6 / 25 cm

With light and kink protection.



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1 PCS

6.1805.100

FEP tubing / M6 / 40 cm

With light and kink protection





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



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



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

6.1821.040

Filter tube

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



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1 PCS

6.1830.030

Heating tubing

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



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1 PCS

6.1903.030

Stirring bar / 25 mm

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



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1 PCS

6.2023.020

Clip for SGJ 14/15

Clip for SGJ 14/16



1 PCS

6.2047.040

Titration vessel holder for 899/917

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



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1 PCS

6.2048.030

Guidance rod

Guidance rod for 860 KF Thermoprep.



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1 PCS

6.2049.040

Needle holder with Luer lock

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



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1 PCS

6.2060.010

Cable holder

Used with 860 KF Thermoprep.



1 PCS

6.2063.010

Sample holder for 6.2419.007 Sample vials (6 mL)



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

6.2164.010

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

6.2419.007

Sample glass, 6 mL, 100 pieces

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



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1 PCS

6.2621.110

Crimping tongs

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



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1 PCS

6.2621.120

Hexagon key 1.5 mm



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1 PCS

6.2627.000

Oven insert

Used with 860 KF Thermoprep.



2 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

6.2724.010

Dust filter

Dust filter for Rancimats and Karl Fischer ovens.



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1 PCS

6.2738.000

Funnel

For the KF coulometer.



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1 PCS

6.2739.000

Wrench

For tightening connectors



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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.



1 PCS

6.2816.070

Septum piercing needle

Used with Karl Fischer ovens.



1 PCS

6.2816.080

Outlet needle

Used with KF Thermoprep and Oven Sample Processor.



2 PCS

6.2816.090

Syringe 5 mL

5 mL syringe made of PP, with Luer connector.



1 PCS

6.6066.000

USB flash drive for Ti-Touch

USB flash drive for 915 KF Ti-Touch and 916 Ti-Touch.



1 PCS

6.1808.040

Thread adapter M6 outer / M8 inner

Outer thread M6, inner thread M8.



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1 PCS

6.2723.300

Protective cover for 900 Touch Control

Protective cover for 900 Touch Control



## Optional accessories

| Order no.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 6.2723.300 | Protective cover for 900 Touch Control<br>Protective cover for 900 Touch Control                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 2.142.0100 | Custom Q3X thermal printer<br><br>Compact printer with USB interface for <ul style="list-style-type: none"><li>• 900 Touch Control</li><li>• 915 KF Ti-Touch</li><li>• 916 Ti-Touch</li><li>• 917 Coulometer</li><li>• 877 / 848 Titrino plus</li><li>• 865 / 876 Dosimat plus</li><li>• 91X Meter (cable 6.2151.140)</li><li>• Eco Dosimat / Titrator</li><li>• 862 Compact Titrosampler</li><li>• 870 KF Titrino plus</li><li>• 899 Coulometer</li></ul><br>Paper width 60 mm (40 characters). Including 6.2151.120 USB cable. |  |

Compact impact printer with USB and RS232 interface for

- 900 Touch Control (+)
- 915 KF Ti-Touch (+)
- 916 Ti-Touch (+)
- 917 Coulometer (+)
- 91X Meter (+)
- Eco Dosimat/Titrator (+)
- 877/848 Titrino plus (additional 6.2151.100 required)
- 865/876 Dosimat plus (additional 6.2151.100 required)
- 862 Compact Titrosampler (additional 6.2151.100 required)
- 870 KF Titrino plus (additional 6.2151.100 required)
- 899 Coulometer (additional 6.2151.100 required)



(+) Cable included in scope of delivery

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**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.



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**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).

