



# 874 Oven Sample Processor

2.874.0120

874 Oven Sample Processor · KF

## Scope of delivery 2.874.0120

Qt.	Order no.	Description
1 PCS	1.874.0010	874 Oven Sample Processor

The 874 Oven Sample Processor is used for automatic thermal sample preparation in Karl Fischer titration. The oven method is particularly suitable for samples that do not release their water until higher temperatures have been reached, for sparingly soluble samples or those that react with the KF reagent.



1 PCS

**6.1446.170**

**Heating tube stopper**

for coulometric KF vessels in connection with heatable tubing connection

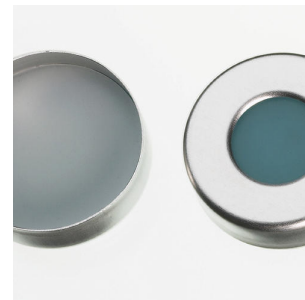


3 PCS

**6.1448.057**

**Aluminum septum caps / 100 pieces**

Including Al sealing.



2 PCS

**6.1602.145**

**Drying flask cap**

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



2 PCS

**6.1608.050**

**Drying bottle / 100 mL / GL 45**



2 PCS

**6.1805.010**

**FEP tubing / M6 / 13 cm**

With light and kink protection.



---

1 PCS

**6.1805.050**

**FEP tubing / M6 / 18 cm**

With light and kink protection



---

1 PCS

**6.1805.470**

**FEP tubing / M6 / 44 cm**

With light and kink protection



---

1 PCS

**6.1808.040**

**Thread adapter M6 outer / M8 inner**

Outer thread M6, inner thread M8.



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.



---

2 PCS

**6.1821.040**

**Filter tube**

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



---

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.



---

1 PCS

**6.2013.010**

**Clamping ring**

For support rods with a diameter of 10 mm.



1 PCS

**6.2041.720**

**Sample rack, 36 x 6 mL, (Al)**

Sample rack for 874 Oven Sample Processor, suitable for 36 sample vessels. The following sample vessels can be used: 6.2419.000.

Material: Aluminum (Al)



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.



1 PCS

**6.2049.050**

**Needle holder with Luer lock**

Needle holder (73 mm) with Luer lock for the Karl Fischer ovens 860, 874 and 885.



1 PCS

**6.2053.000**

**Cable clip**

Cable clip for fastening cables and tubes



1 PCS

**6.2063.020**

**Sample holder**

Sample holder for 6 mL sample vials (6.2419.000), for 874



1 PCS

**6.2151.000**

**Cable USB A – mini-DIN 8-pin**

Controller cable



3 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



1 PCS

**6.2621.100**

**3 mm hex key for IC Sample Processors**



1 PCS

**6.2621.110**

**Crimping tongs**

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



---

1 PCS

**6.2621.130**

**Hexagon key 2 mm**

2 mm.



---

1 PCS

**6.2621.140**

**Hexagon key 2.5 mm**



---

1 PCS

**6.2627.010**

**Oven insert**

Used with 874 USB Oven Sample Processor



1 PCS

**6.2724.010**

**Dust filter**

Dust filter for Rancimats and Karl Fischer ovens.



1 PCS

**6.2739.000**

**Wrench**

For tightening connectors

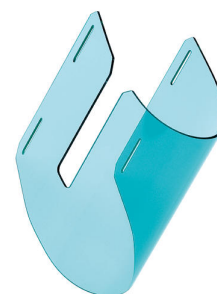


1 PCS

**6.2751.140**

**Safety shield**

Safety shield for 874 USB Oven Sample Processor, made of PMMA.



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.





1 PCS

**6.2816.070**

**Septum piercing needle**

Used with Karl Fischer ovens.



---

1 PCS


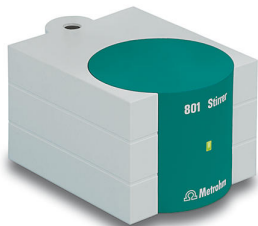

**6.2816.080**

**Outlet needle**

Used with KF Thermoprep and Oven Sample Processor.



## Optional accessories

Order no.	Description
2.800.0010	<p><b>800 Dosino</b></p> <p>The 800 Dosino is a drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).</p> 
2.801.0010	<p><b>801 Stirrer</b></p> <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> 
2.851.0110	<p><b>851 Titrande with generator electrode without diaphragm</b></p> <p><b>Coulometer including generator electrode without diaphragm.</b></p> <p>Coulometry is the ideal method for water content determination in liquids, solids, and gases when it comes to water content determination in the trace range (10 µg to 10 mg absolute water). In addition, coulometry is an absolute method and thus no titer determination is necessary.</p> <p>Coulometric titrations are carried out easily and quickly with the <b>851 Titrande</b>.</p> <p>Recommended measuring range: 10 µg - 200 mg absolute water.</p> <p>For use with OMNIS Software, tiemo software, or Touch Control unit. Compliance with GMP/GLP and FDA regulations such as 21 CFR Part 11, if required.</p> 

**Coulometer including generator electrode without diaphragm and complete volumetric titration cell**

Coulometry is the ideal method for water content determination in liquids, solids, and gases when it comes to water content determination in the trace range (10 µg to 10 mg absolute water). In addition, coulometry is an absolute method and thus no titer determination is necessary.

Recommended coulometry measuring range: 10 µg - 200 mg absolute water.

The **852 Titrande** controls not only coulometric, but also volumetric Karl Fischer titration.

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.



The Karl Fischer Titrande 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.

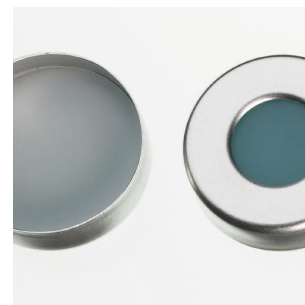
Thanks to the four MSB connectors, up to four Dosinos can be connected to the 901 Titrande. These can be used not only for titration, but also for the automated addition of sample, standard and auxiliary solutions such as solubility promoters. Furthermore, you have all of the Liquid Handling commands 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



**6.1448.050 Aluminum septum caps / 1000 pieces**

Including Al sealing.



---

**6.2419.000 Sample glass, 6 mL, 1000 pieces**

Sample glass for up to 6 mL sample, suitable for 6.1448.050 septum, 1,000 pieces



---

**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.



---

6.5618.000

### Measuring equipment for checking the temperature

Measuring equipment for checking the temperature of 774 Oven Sample Processor, 832, 860 Thermoprep.

