



# 862 Food/Beverage Compact Titrosampler

2.862.1010

The 862 Food/Beverage Compact Titrosampler is just the right choice for the automatic performance of potentiometric analyses required in the food industry.

The combination of titrator and sample changer in a single instrument that offers the automatic performance of dynamic (DET) and monotonic (MET) titrations with automatic equivalence point finding and endpoint titrations (SET) in a very small space.

Equipped with extensive accessories, the 862 Food/Beverage Compact Titrosampler is ready for immediate use.

Various titrations can be performed fully automatically and the electrodes can be cleaned and stored in a total of 12 positions. The titration curve is directly in view thanks to the large, clearly organized Live Display and the current status of the sample series is recognizable at once. Pressing samples can be given priority analysis at any time.

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 2.862.1010

| Qt. | Order no. | Description |
|-----|-----------|-------------|
|-----|-----------|-------------|

|       |            |                          |
|-------|------------|--------------------------|
| 1 PCS | 1.862.0010 | 862 Compact Titrosampler |
|-------|------------|--------------------------|

The 862 Compact Titrosampler – titrator and sample changer in one – is a completely automated titration station with the support surface of a commercially available analytical balance.

Compact and economical instrument for the automatic performance of dynamic (DET) and monotonic (MET) titrations with automatic equivalence point finding and endpoint titrations (SET) in a very small space.

Various titrations can be performed fully automatically and the electrodes can be cleaned and stored in a total of 12 positions.

The titration curve is directly in view thanks to the large, clearly organized Live Display and the current status of the sample series is recognizable at once. Pressing samples can be given priority analysis at any time.




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|       |            |               |
|-------|------------|---------------|
| 1 PCS | 6.0262.100 | Ecotrode Plus |
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Combined pH electrode for aqueous acid/base titration. The fixed ground-joint diaphragm is insensitive to contamination. Reference electrolyte:  $c(\text{KCl}) = 3 \text{ mol/L}$ , storage in storage solution.




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|       |            |                         |
|-------|------------|-------------------------|
| 2 PCS | 6.1446.000 | SGJ stopper / B-14/(15) |
|-------|------------|-------------------------|



1 PCS

6.1459.300

Sample beaker, plastic (PP), 120 mL, 250 pieces

Sample beaker, plastic (polypropylene, PP), 120 mL, suitable for sample racks: 6.2041.470, 6.2041.840, 6.2041.850, 6.2068.010, 6.2068.020, 6.2068.030, and 6.9920.141, 250 pieces



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1 PCS

6.1546.030

Piston tongs

For pistons for 807 Dosing Units or cylinder units OMNIS.



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1 PCS

6.1608.030

Round glass bottle / 1000 mL / GL 45



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1 PCS

6.1815.010

Spiral band 0.5 m

For holding together different cables or tubing.



1 PCS

6.1909.050

Stirring propeller / 102 mm

Propeller for 802 Stirrer when this is used with sample racks for 120 mL beakers (6.1459.300)



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

6.2147.000

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.



1 PCS

6.2151.100

Adapter USB MINI (OTG) - USB A

For connecting USB instruments.



1 PCS

6.2307.230

Buffer solutions pH 4, 7 and 9

Mixed buffer solutions pH 4.00/7.00/9.00 (25 °C) in single use sachets, colourless, box of 3 x 10 x 30 mL



1 PCS

6.2325.000

pHit kit

Maintenance kit for pH electrodes

The kit contains:

- 50 mL cleaning solution
- 50 mL 3M KCl solution
- 50 mL storage solution
- 2 Storage vessels
- Instructions for use



1 PCS

6.2621.130

Hexagon key 2 mm

2 mm.



1 PCS

6.2621.140

Hexagon key 2.5 mm



1 PCS

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.



1 PCS

6.6061.010

Titrino plus methods USB Stick

Contains the FOOD PAC, WINE PAC and OIL PAC methods for direct import into the Titrino plus.



1 PCS

1.802.0020

802 Stirrer

Rod stirrer for sample changer and Sample Processor.

With 6.1909.020 Propeller stirrer 104 mm and fixed cable.



1 PCS

1.800.0040

800 Dosino (cable length 0.65 m)

Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 0.65 m).



## Optional accessories

| Order no.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 6.2136.010 | Remote cable (9p) - Dosimat (2xSt B)<br><br>For 870 Titrino Plus and 862 Compact Titrator                                                                                                                                                                                                                                                                                                                                                                                                  |    |
| 2.843.0030 | 843 Pump Station (membrane) - rinse/aspirate for Compact Sample Changer<br><br>The 843 Pump Station (membrane) has two built-in membrane pumps. These can be controlled directly from the 869 Compact Sample Changer via remote signals. The Rinse / Aspirate version is provided with all the accessories needed for automatically emptying the titration beaker and rinsing the titration equipment. The accessories is defined for usage with the 869 Compact Sample Changer.           |   |
| 2.843.0130 | 843 Pump Station (peristaltic) - rinse/aspirate for Compact Sample Changer<br><br>The 843 Pump Station (peristaltic) has two built-in peristaltic pumps. These can be controlled directly from the 869 Compact Sample Changer via remote signals. The Rinse / Aspirate version is provided with all the accessories needed for automatically emptying the titration beaker and rinsing the titration equipment. The accessories are defined for usage with the 869 Compact Sample Changer. |  |

Universal dispensing unit for titration and dosing tasks in the laboratory. Including push-button cable for manual dispensing control and 6.3026.220 exchange unit (20 mL). A multitude of instruments can be connected at the USB interface of the Dosimat plus, even a number of them simultaneously when a USB hub is used (keyboard, mouse, USB compact printer or USB DIN A4 printer, USB Memory Stick for methods and data backup). The optional 6.2148.030 USB/RS-232 Adapter Box enables the connection of laboratory balances and operation with a computer.



With its four dosing modes, the Dosimat plus offers a multitude of applications:

DOS (Dosing) – Dosing at the press of a button

This mode is particularly suitable for performing manual titrations with indicator. A result can be calculated and a result report can be printed automatically from the dosed volume.

XDOS (Extended dosing) – Controlled dosing

- Fixed volume dosing: The volume and the dosing rate are specified.
- Time-controlled dosing: The volume and the time are specified.
- Dosing according to dosing rate: The dosing rate and the time are specified.

If continuous dosing without interruption is required, then the 865 Dosimat plus can be operated together with an 805 Dosimat in tandem mode.

CNT D (Content dosing) – Preparation of standard and other solutions.

The volume of the solvent to be dosed is determined automatically on the basis of the sample size of the starting substance (solid or stock solution) and the specified target concentration.

LQT (Liquid transfer) – Pipetting and diluting of liquids.

Universal dispensing unit for manual titrations and dosings. Including push-button cable for manual dosing control and 20 mL exchange unit. A multitude of instruments can be connected at the USB interface of the Dosimat plus, even a number of them simultaneously when a USB hub is used (keyboard, mouse, USB compact printer or USB DIN A4 printer, USB Memory Stick for methods and data backup). The optional 6.2148.030 USB/RS-232 Adapter Box enables the connection of laboratory balances and operation with a computer. With its two dosing modes, the Dosimat plus offers the following applications:



#### DOS (Dosing) – Dosing at the press of a button

This mode is particularly suitable for performing manual titrations with indicator. A result can be calculated and a result report can be printed automatically from the dosed volume.

#### XDOS (Extended dosing) – Controlled dosing

- Fixed volume dosing: The volume and the dosing rate are specified.
- Time-controlled dosing: The volume and the time are specified.
- Dosing according to dosing rate: The dosing rate and the time are specified.

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#### 6.2058.120

##### Fastening plate for Dosino holder

Fastening plate for flexible connection of the Dosino holder at the 862 Compact Titrosampler. Thanks to the arbitrary mounting height it is easy to connect reagent bottles of different suppliers.



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#### 6.2141.230

##### Remote cable Compact Sample Changer/Compact Autosampler - Titrino plus/Pump Station

Cable for the remote connection between Compact Sample Changer /Compact Autosampler and Titrino plus and/or Pump Station.



6.2141.240

Remote cable Dosimat plus - Compact Sample Changer/Titrino plus

Cable for the remote connection between Dosimat plus and Compact Sample Changer and/or Titrino plus using 6.2141.260 Cable.



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.



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.

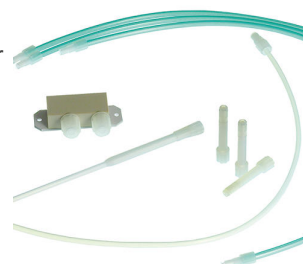


807 Dosing Unit with integrated data chip with 50 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



Rinsing/aspiration equipment for 869 Compact Sample changer or 862 Compact Titrosampler

For usage of 869 Compact Sample Changer or 862 Compact Titrosampler in combination with a pump for rinsing/aspiration.



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.

6.2103.130

Adapter red 2 mm plug / 4 mm socket

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



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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.

