



# 856 Conductivity Module Touch Control

2.856.0110

856 Conductivity Module 900 Touch Control

856 Conductivity Module

Conductivity Module 2 USB 4 MSB Dosino 900 Touch Control 856 Conductivity Module  
GLP FDA 21 CFR 11

## Scope of delivery 2.856.0110

Qt.	Order no.	Description
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Conductivity measuring module as supplement to an existing Titrandos system or "stand-alone" in combination with a 900 Touch Control. With the 856 Conductivity Module, not only conductivity and temperature can be determined, but also TDS and salinity. It supports state-of-the-art conductivity measuring cells, i.e. 5-ring measuring cells.

Thanks to the galvanically isolated measuring input, pH value and conductivity can be measured in the same beaker without interference.

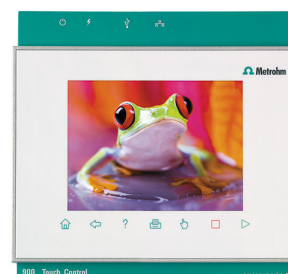
The Conductivity Module is equipped with two USB interfaces for connecting printers, barcode readers or sample changers and four MSB interfaces for stirrers or Dosinos.

Both in conjunction with the 900 Touch Control as stand-alone instrument and also integrated in **tiamo™** full (from 2.0), it is in compliance with GLP and FDA 21 CFR part 11 requirements.



Operating unit for the Titrandos, USB Sample Processors, 856 Conductivity Module, 867 pH Module and 846 Dosing Interface. Touch-sensitive, high-resolution color display, simple and intuitive operation, thanks to Favorites for direct method access. With integrated Ethernet interface for direct connection to the Internet and USB interface for connecting USB printers or a USB memory stick.

Dialog languages: German, English, Chinese, French, Spanish, Portuguese, Russian, Korean, Polish and Italian.



5-ring conductivity measuring cell with cell constant  $c = 0.7 \text{ cm}^{-1}$  (guide value), with integrated Pt1000 temperature sensor and with fixed cable (1.2 m) for connecting to an 856 Conductivity Module.

This sensor is suitable for measurements of medium conductivities (5  $\mu\text{S/cm}$  to 20  $\text{mS/cm}$ ), e.g., in:

- drinking water
- surface water
- wastewater

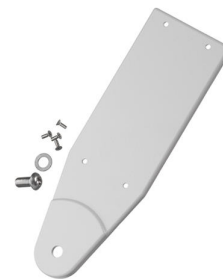


1 PCS

**6.2001.060**

**Support stand without support rod**

To attach an 801, 804, 803 Stirrer to a Titrando, Titrino plus, Dosimat plus or 856 and 867.



1 PCS

**6.2013.010**

**Clamping ring**

For support rods with a diameter of 10 mm.



1 PCS

**6.2016.070**

**Support rod / 400 mm**



1 PCS

**6.2021.020**

**Electrode holder**

Electrode holder for 4 electrodes and 2 buret tips



1 PCS

**6.2324.110****Conductivity standard 100  $\mu\text{S}/\text{cm}$ , 5 x 30 mL**

Conductivity standard for calibration of conductivity measuring cells  
with cell constant = 0.1/cm.



1 PCS

**6.2621.070****5 mm hex key for IC Sample Processors**

1 PCS

**6.2621.130****Hexagon key 2 mm**



2 mm.



1 PCS

**6.6064.010****USB Memory Stick for 900 Touch Control**

## Optional accessories

Order no.	Description	
2.801.0010	<b>801 Stirrer</b>  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).	
2.814.0010	<b>814 USB Sample Processor (1T/1P)</b>  USB Sample Processor with one workstation and one built-in membrane pump for the automatic processing of routine samples in series with small to medium quantities. In addition to the built-in pump, an additional one (membrane or peristaltic) and up to three dosing devices for Liquid Handling tasks can be connected.  Because of the multitude of application variants, rack, stirrer, titration head, Swing Head and sample vessels must be tailored to the application and ordered separately.  The control is "stand alone" using Touch Control. The following software products can be selected for the PC control: tiamo™ titration software, MagIC Net chromatography software, viva voltammetry software, or OMNIS.	

USB Sample Processor with one workstation and two built-in membrane pumps for the automatic processing of routine samples in series with small to medium quantities. In addition to the built-in pumps, up to three dosing devices for Liquid Handling tasks can be connected.

Because of the multitude of application variants, rack, stirrer, titration head, Swing Head and sample vessels must be tailored to the application and ordered separately.

The control is "stand alone" using Touch Control. The following software products can be selected for the PC control: tiamo™ titration software, MagIC Net chromatography software, viva voltammetry software, or OMNIS.



USB Sample Processor with one workstation for the automatic processing of routine samples in series with small to medium quantities. Up to two pumps (membrane or peristaltic) and three dosing devices for Liquid Handling tasks can be connected.

Because of the multitude of application variants, rack, stirrer, titration head, Swing Head and sample vessels must be tailored to the application and ordered separately.

The control is "stand alone" using Touch Control. The following software products can be selected for the PC control: tiamo™ titration software, MagIC Net chromatography software, viva voltammetry software, or OMNIS.



**5-ring conductivity measuring cell  $c = 1.0 \text{ cm}^{-1}$  with Pt1000 (fixed cable)**

5-ring conductivity measuring cell with cell constant  $c = 1.0 \text{ cm}^{-1}$  (guide value), with integrated Pt1000 temperature sensor and with fixed cable (1.2 m) for connecting to an 856 Conductivity Module in combination with a sample changer.

This sensor is suitable for automated measurements of medium conductivities ( $5 \mu\text{S/cm}$  to  $100 \text{ mS/cm}$ ), e.g., in:

- drinking water
- surface water
- wastewater

**Conductivity measuring cell  $c = 0.1 \text{ cm}^{-1}$  with Pt1000 (fixed cable)**

Conductivity measuring cell made of stainless steel with cell constant  $c = 0.1 \text{ cm}^{-1}$  (guide value), with integrated Pt1000 temperature sensor and fixed cable (1.2 m) for connecting to an 856 Conductivity Module.

This sensor is suitable for measurements of low conductivities ( $0 \mu\text{S/cm}$  to  $300 \mu\text{S/cm}$ ) in e.g., deion. water or for measurements in accordance with USP <645>.

**5-ring conductivity measuring cell  $c = 0.7 \text{ cm}^{-1}$  with Pt1000 (fixed cable 2 m)**

5-ring conductivity measuring cell with cell constant  $c = 0.7 \text{ cm}^{-1}$  (guide value), with integrated Pt1000 temperature sensor and fixed cable (2.0 m) for connecting to an 856 Conductivity Module in combination with a sample changer.

This sensor is suitable for automated measurements of medium conductivities ( $5 \mu\text{S/cm}$  to  $20 \text{ mS/cm}$ ), e.g., in:

- drinking water
- surface water
- wastewater



6.0920.130

**5-ring conductivity measuring cell  $c = 1.0 \text{ cm}^{-1}$  with Pt1000 (fixed cable 2 m)**

5-ring conductivity measuring cell with cell constant  $c = 1.0 \text{ cm}^{-1}$  (guide value), with integrated Pt1000 temperature sensor and fixed cable (2.0 m) for connecting to an 856 Conductivity Module in combination with a sample changer.

This sensor is suitable for automated measurements of medium conductivities ( $5 \mu\text{S/cm}$  to  $100 \text{ mS/cm}$ ), e.g., in:

- drinking water
- surface water
- wastewater



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**Stacking frame for 846 Dosing Interface, 856 Conductivity Module, 867 pH Module**

For fixing the Reagent Organizer on top of the Dosing Interface



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6.2103.160

**Adapter 4 x socket B – plug N**

Adapter box for the connection of classical Metrohm Conductivity measuring cells with 4 banana plugs to the 856 Conductivity Module.



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6.2151.000

**Cable USB A – mini-DIN 8-pin**

Controller cable

