

867 pH Module with tiamo™ light

2.867.0210

High-end pH/ion meter based on the 867 pH Module, including *tiamo*™ light, 854 iConnect and intelligent "iUnitrode" pH glass electrode.

In addition to measurements of pH, temperature, mV, I_{pol}, U_{pol} and concentration, the pH Module can perform standard additions (manual, dos, autos) and Liquid Handling (add, prep, empty). It enables the use of both conventional and intelligent sensors for measuring. Also integrated in the software is an automatic GLP-compliant pH electrode test.

The pH Module has two USB interfaces for connecting printers, barcode readers or sample changers and four MSB interfaces for stirrers or Dosinos (for the addition of auxiliary solutions or for standard addition).



Integrated in *tiamo*™ (from 2.0), it is in compliance with GLP and FDA 21 CFR part 11 requirements.

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 2.867.0210

Qt.	Order no.	Description
1 PCS	1.854.0010	854 iConnect
		<p>854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».</p> 
1 PCS	1.867.0010	867 pH Module
		<p>Module for pH/ion measurement as supplement to a Titrando or "stand-alone" in combination with a 900 Touch Control.</p> <p>In addition to measurements of pH, temperature, mV, Ipol, Upol and concentration, the pH Module can perform standard additions (manual, dos, autodos) and Liquid Handling (add, prep, empty). It enables the use of both conventional and intelligent sensors for measuring. Also integrated in the software is an automatic GLP-compliant pH electrode test.</p> <p>The pH Module has two USB interfaces for connecting printers, barcode readers or sample changers and four MSB interfaces for stirrers or Dosinos (for the addition of auxiliary solutions or for standard addition). Both in conjunction with the Touch Control and also integrated in <i>tiamo</i>™ full (from 2.0), it is in compliance with GLP and FDA 21 CFR part 11 requirements.</p> 

Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. This electrode is particularly suitable:

- for pH measurements and titrations in difficult, viscous, or alkaline samples
- at elevated temperatures
- for long-term measurements



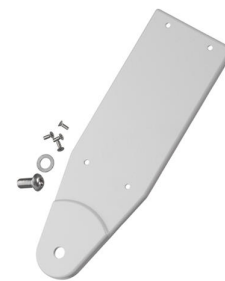
The fixed ground-joint diaphragm is insensitive to contamination.

Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution.

Alternatively: reference electrolyte for measurements at $T > 80^\circ\text{C}$: Idrolyte, storage in Idrolyte.

iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.

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



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

6.2151.000

Cable USB A – mini-DIN 8-pin

Controller cable



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

6.2621.070

5 mm hex key for IC Sample Processors



1 PCS




6.2621.130

Hexagon key 2 mm

2 mm.



Optional accessories

Order no.	Description	
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> 
2.802.0040	802 Stirrer for 804 Ti Stand	<p>Rod stirrer including 6.1909.010 stirring propeller.</p> 
2.804.0010	804 Ti Stand without stand rod	<p>Titration stand and controller for 802 Stirrer. The 804 Ti Stand together with the optional 802 Stirrer provides an alternative to the magnetic stirrer. Without stand.</p> 

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.

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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



Adapter red 2 mm plug / 4 mm socket

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



6.2103.140

Adapter black 2 mm plug / B socket 4 mm

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

