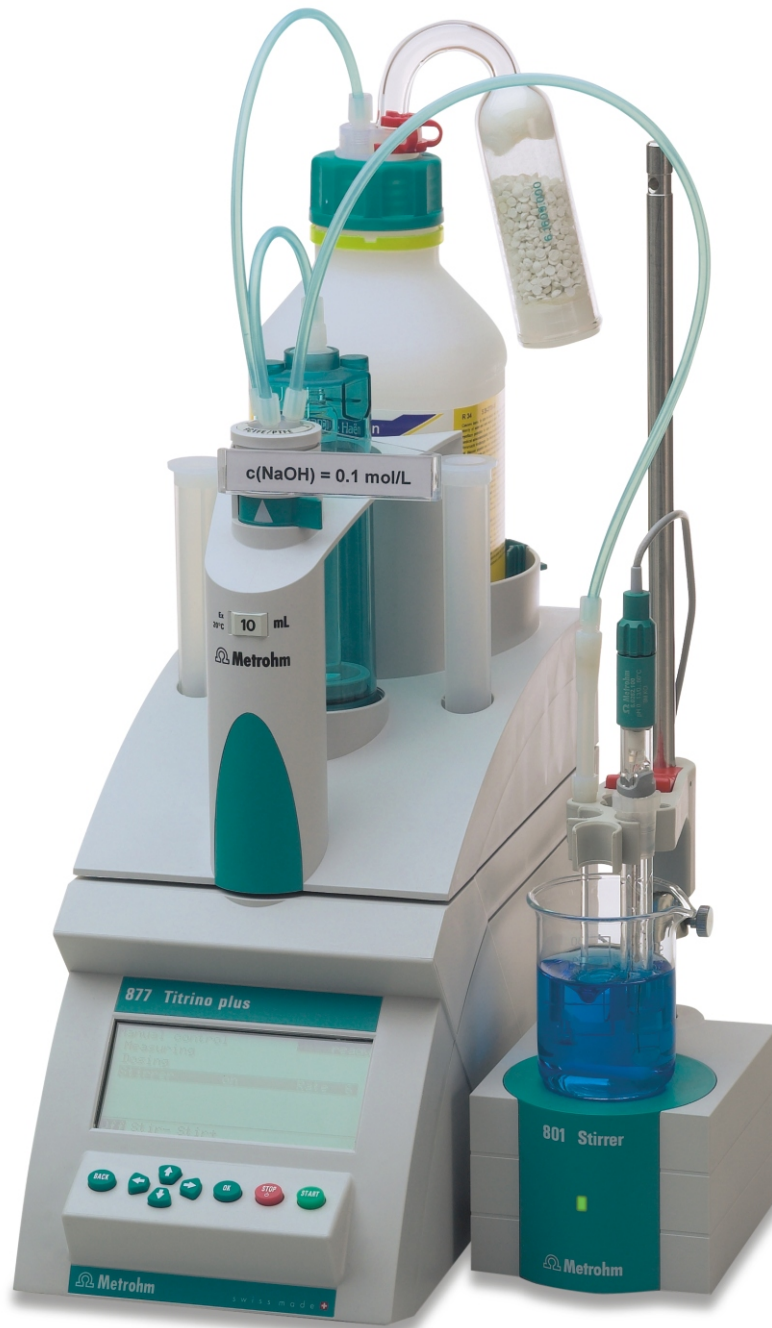


877 Titrino Plus

Potentiometric Titration - Easy, Safe & Precise



The advantages of the new Titrino plus at a glance

Easy installation

Installation of the Titrino plus couldn't be easier. As soon as they are connected, Exchange Unit, stirrer and USB compact printer are automatically recognized and configured.

Maximum precision thanks to the new measuring input

Just as the Titrando, our high-end titrator, the new Titrino plus is also equipped with a high-resolution measuring interface that guarantees highly precise results.

Graphic display with live curve

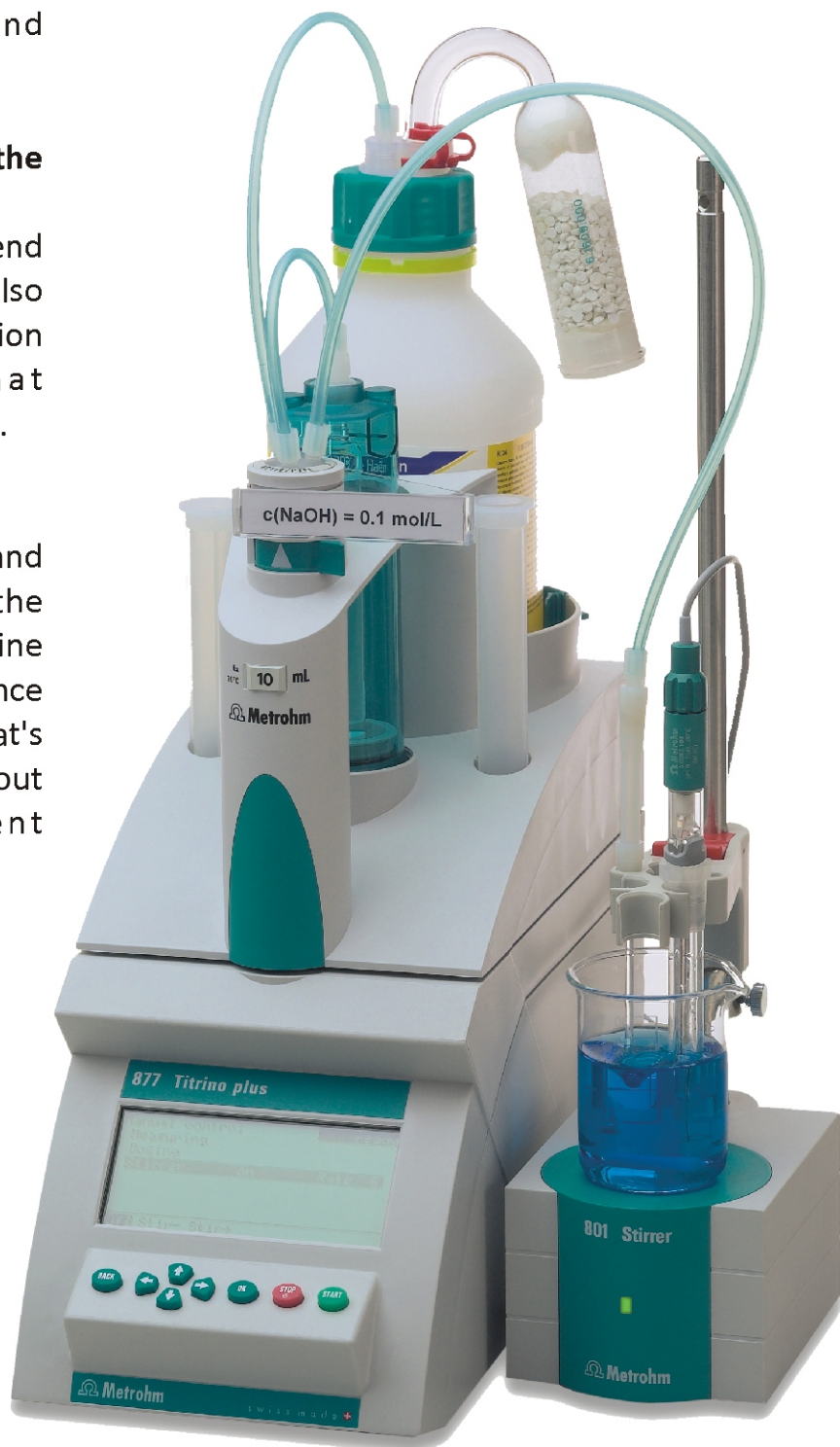
The large display allows for fast and comfortable editing of all the parameters needed for routine operation. After the start, a glance at the live titration curve is all that's needed to keep you informed about the status of the current determination.

PLUS:

- Easy installation
- Intelligent Exchange Unit with titrant surveillance function
- Maximum precision thanks to high-resolution measuring interface
- Live curve
- Optional USB compact printer
- Automation with 869 Compact Sample Changer

Mouse or keyboard – choose your favorite!

The Titrino plus is the first titrator that can be controlled either via mouse or keyboard



The principal Titrino plus features at a glance

Dosing element Exchange Unit	Exchange Unit
Intelligent Exchange Unit with integrated data chip	Yes
Steps per cylinder volume	10'000
Operation, dialog	Keyboard and mouse
Dialog language	English
Stirrer, titration stand	801 Magnetic Stirrer or 802 Rod Stirrer
pH calibration (5-point)	Yes
Endpoint titration (SET) with conditioning	Yes
Monotonic equivalent point titration (MET)	Yes
Connection of balance, printer, USB keyboard, USB mouse, USB stick and barcode reader	Via 1 USB Slave Port, RS 232/USB Box (option)
Graphic display with live curve	Yes
Comprehensive GLP/GMP functions	Yes
Method and result export to USB stick	Yes
PC/LIMS report	RS 232/USB Box (option) and USB stick
Balance connection	RS 232/USB Box (option)
Sample changer connection via Remote	Yes
Manual operation	Measuring, dosing, stirring

The Titrino plus is the ideal titrator for routine applications such as:

- Aqueous and non-aqueous acid/base titrations
- Redox titrations (e.g. iodometry, permanganometry, cerimetry)
- Precipitation titrations (e.g. with AgNO₃)
- Complexometric titrations (e.g. with EDTA)
- Photometric titrations with the Spectrosense 523 nm or 610 nm
- Titrations with polarizable electrodes (I_{pol} , U_{pol})

Automation with the 869 Compact Sample Changer

The 869 Compact Sample Changer allows fast and easy automation of Titrino plus applications. With the 869 Compact Sample Changer you can perform multiple determinations comfortably and without having to carry out many preliminary steps. Twelve positions are available for carrying out different titrations fully automatically and for rinsing or conditioning the electrode between determinations. To keep titrant and solvent consumption at a minimum, 120-mL beakers made of PP are used as standard.

Three different method templates serve to set up and store application-specific methods. The fact that only four parameters have to be set deserves special mention. Via the USB (OTG) connection, the method can be printed out or saved electronically. Communication between Compact Sample Changer and Titrino plus occurs via remote signals – an additional control box or a PC is not required. The sample data is entered into the sample data table of the Titrino plus. After the start, the Compact Sample Changer processes the samples according to the sample data table. The start position can be freely selected, which means that urgent samples can be preferentially determined at any time.

Local Dealer:

The titration head of the sample changer accommodates an 802 Rod Stirrer and two additional electrodes. The rod stirrer is directly connected to and controlled by the instrument. Titrant and auxiliary solutions are added by means of the pre-installed buret tips.

The 869 Compact Sample Changer can be retrofitted with rinsing and aspiration accessories by means of the 843 Pump Station.

The advantages of the 869 Compact Sample Changer:

- Economic automation
- Space savings
- Three different method templates
- Easy operation thanks to minimal method programming
- 12 positions on sample changer



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