

TitroLine® 7800

The TitroLine® 7800 is the latest universal instrument for potentiometric titration with an additional measuring input for digital sensors (IDS®). This allows for simultaneous connection of e.g. pH and conductivity electrodes and thus for simultaneous measuring. No external conductivity measuring device is required. Furthermore, the TitroLine® 7800 can also be used for volumetric KF titration.

The TitroLine® 7800 is characterised by the following features:

- Brilliant TFT display which can also be read sidewise
- Interchangeable modules and memory for storing all relevant module and reagent data
- Large number of interfaces (two USB-A, one USB-B, two RS232 and one LAN interface) for easy communication.
- For connection of e.g. USB keyboard, USB printer, barcode reader, USB memory, scales, PC, and other SI Analytics® devices.
- Results can be stored via USB connection and LAN connection (in PDF and CSV format), incl. method transfer.
- With one analogue and one digital measuring input. Digital measuring input for connecting IDS® pH, mV (Redox and others) and LF sensors.
- With standard methods for potentiometric and KF titration.

Technical data:

Measuring input 1:	Analogue pH/mV-input with electrode socket, according to DIN or BNC socket insert with ID-function for automatic detection of the electrode
Measuring input 2:	Digital input for connecting IDS® electrodes (pH, mV, LF...)
Measuring input Dead Stop:	µA-input for double platinum electrode (socket 2 × 4 mm), pole voltage adjustable
Measuring input temperature:	Temperature sensor input for resistance thermometer Pt 1000 (socket 2 × 4 mm)
Interfaces:	3 × USB (2 USB-A and 1 × USB-B) 2 × RS-232-C and 1 × LAN
Stirrer connection:	TM 235 or alternative paddle stirrer via USB-A
Keyboard connection:	The unit is operated via the keys at the unit, the controller TZ 3880, or optionally via external USB keyboard
Display:	3.5" graphic TFT display
Exchangeable burette units:	5, 10, 20 or 50 ml exchangeable units with unit size and reagent recognition
Burette resolution:	20,000 increments
Dosing accuracy:	Systematic error 0.15%, random error 0.05 – 0.07% (depending on unit size) in compliance with EN ISO 8655 part 3
Mains supply:	100 to 240 V, 50 / 60 Hz
CE mark:	EMC: 2004/108/EG; safety EC-Directive 2006/95
Technical modifications reserved.	



Article	Order No.
TitroLine® 7800 without magnetic stirrer: TL 7800	10 27 10980
Scope of delivery: basic unit without magnetic stirrer, support rod TZ 1510, electrode holder Z 305, USB keyboard TZ 3835 and power supply unit 100-240 V	
TitroLine® 7800 with magnetic stirrer: TL 7800-M1	10 27 10990
Scope of delivery: basic unit with magnetic stirrer TM 235, support rod TZ 1510, electrode holder Z 305, USB keyboard TZ 3835 and power supply unit 100-240 V	
TitroLine® 7800 with magnetic stirrer and TitriSoft: TL 7800-TitriSoft	10 27 11030
Scope of delivery: basic unit with magnetic stirrer TM 235, support rod TZ 1510, electrode holder Z 305, USB keyboard TZ 3835, power supply unit 100-240 V and TitriSoft 3.XX	