

① **TitroLine® 7000**

Compact, titrator with intelligent exchange unit and automatic recognition of unit size and reagent data. Automatic recognition of ID sensors by SI Analytics.

Thanks to the state-of-the-art USB and additional RS232 interfaces, connection of printer, balance and further accessories is possible at the same time. The high-contrast TFT-display allows the easy parameterization and tracking of the titration curve.

The following types of titration are possible:

- Titrations to pH, mV and μA endpoint (2 EP)
- Titrations to two equivalence point (pH und mV) with dynamic or linear titration addition
- pH stat titrations
- Manual titrations with the controller
- Dosing tasks
- Preparation of solutions
- Number of methods: 50
- Ca- und Mg-hardness
- Acidity number (FFA) in edible oils
- Saponification number
- Hydroxy number
- Perchloric acid titrations and other non aqueous titrations

Technical data:

Measuring input electrode: pH/mV-input with DIN or BNC socket with ID function for automatic electrode recognition

Measuring input Dead Stop: μA -input for double platinum electrode (socket $2 \times 4 \text{ mm}$), pole voltage adjustable

Measuring input Pt 1000: Temperature sensor input for resistance thermometer Pt 1000 (socket $2 \times 4 \text{ mm}$)

Interfaces: $3 \times \text{USB}$ (2 USB-A and $1 \times \text{USB-B}$)
 $2 \times \text{RS-232-C}$ and $1 \times \text{LAN}$

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 PC keyboard (USB)

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: 10,000 increments

Dosing accuracy: Systematic error 0.1 – 0.5%, 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

Conformity: ISO 8655, part 6

CE mark EMC: 2004/108/EG; safety EC-Directive 2006/95

Technical modifications reserved.



Article	Order No.
TitroLine® 7000 with 10 ml exchange unit, TL 7000-M1/10	10 27 10140
TitroLine® 7000 basic unit with magnetic stirrer TM 235 and 10 ml exchange unit WA 10, incl. brown glass bottle for titration reagent, GL 45 and S 40 bottle adapter, tubes, drip tube, and titration tip	
TitroLine® 7000 with 20 ml exchange unit, TL 7000-M1/20	10 27 10150
TitroLine® 7000 basic unit with magnetic stirrer TM 235 and 20 ml exchange unit WA 20, incl. brown glass bottle for titration reagent, GL 45 and S 40 bottle adapter, tubes, drip tube, and titration tip	
TitroLine® 7000 with 50 ml exchange unit, TL 7000-M1/50	10 27 10160
TitroLine® 7000 basic unit with magnetic stirrer TM 235 and 50 ml exchange unit WA 50, incl. brown glass bottle for titration reagent, GL 45 and S 40 bottle adapter, tubes, drip tube, and titration tip	
TitroLine® 7000 with 20 ml exchange unit and pH electrode, TL 7000-M2/20	10 27 10170
TitroLine® 7000 basic unit with magnetic stirrer TM 235 and 20 ml exchange unit WA 20, incl. brown glass bottle for titration reagent, GL 45 and S 40 bottle adapter, tubes, drip tube, and titration tip. With pH combination electrode and buffer set.	

Accessories for TitroLine® 7000

Article	Order No.
TM 235, magnetic stirrer	10 27 10400
5 ml exchange unit	10 27 10300