

Order information

Type no.	Order no	Description
TL 7750	285220240	Basic unit without magnetic stirrer, with stand rod and titration clamp Z 305, power supply 100-240 V
TL 7750-M1	285220250	TitroLine® 7750 basic unit with magnetic stirrer TM 235, with stand rod and titration clamp Z 305, power supply 100-240 V

Electrodes, exchangeable units and further accessories have to be ordered separately

Required accessories for the volumetric KF titration

Type no.	Order no	Description
TM 235 KF, 115-230 V	285220900	Titration stand with pump. Scope of delivery: Basic unit with 1 l DURAN® reagent bottle TZ 1791, 1 l DURAN® waste bottle TZ 1792, moisture bottle, tubes and screw threads, power supply TZ 1855 (110 ... 240 V)
TZ 1770	285216677	Karl-Fischer-titration vessel. DURAN® glass vessel TZ 1775 (approx. 30...150 ml), removable head made of polypropylene/PTFE, 1 drilling NS 19, NS 14,5, NS 7,5 and 3 drillings with screw threads, titration tip, moisture trap and weighing funnel
KF 1100	285102030	Mikro-double platinum electrode for Karl Fischer titrations, with fixed cable, double platinum pin and taper NS 7.5 for TZ 1770 and TZ 1772
TZ 1748	285216560	Stand rod stainless steel Ø 10 mm
TZ 1789	285221120	Starter kit KF consisting of molecular sieve, needles with syringes and glass wool

Recommended exchangeable units for the KF titration

Type no.	Order no	Description
WA 05	285220300	5 ml exchangeable unit with integrated chip for reagent data, with brown glass bottle for titrant, GL 45 and S 40-bottle adapter, tubes, drip tube and titration tip
WA 10	285220310	10 ml exchangeable unit with integrated chip for reagent data, with brown glass bottle for titrant, GL 45 and S 40-bottle adapter, tubes, drip tube and titration tip
WA 20	285220320	20 ml exchangeable unit with integrated chip for reagent data, with brown glass bottle for titrant, GL 45 and S 40-bottle adapter, tubes, drip tube and titration tip

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The first address for Titration
TitroLine® 7750

NEW

The new universal titrator
TitroLine® 7750



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The new Titrator from SI Analytics - more options

The TitroLine® 7750 is the all-rounder for both potentiometric titration and volumetric KF titration. The TitroLine® 7750 combines the features of the potentiometric titrator TitroLine® 7000 and the volumetric Karl Fischer titrator TitroLine® 7500.

The new TitroLine® 7750 is characterized as follows:



TitroLine® 7750 with accessories for potentiometric titration

- ▶ Highly visible full color display, that can be easily viewed from a distance and extreme angles
- ▶ With new interchangeable modules which all relevant reagent and unit data can be stored
- ▶ Thanks to the 2 x USB-host, 1 x USB-PC and 2 x RS232 ports very expandable. Connectable are e.g. USB keyboard, USB printer, barcode reader, USB flash drives, balances, PC und further SI Analytics devices such as piston burettes and sample changers

- ▶ Storage of results using via USB port (PDF - and CSV -format) including method transfer
- ▶ With standard methods for potentiometric and KF titration



TitroLine® 7750 with accessories for KF titration

Technical data

Features	TitroLine® 7750
Display	Color graphics 3.5 inches -1/4 VGA TFT display with 320x240 pixels
Measuring input pH/mV with reference electrode input	pH/mV-input with 24 bit transducer Electrode socket according to DIN 19 262 or additional with BNC socket insert RFID receiver for SI Analytics ID electrodes
Measurement range pH / mV Display resolution pH / mV Accuracy pH / mV (without sensor)	- 3.0 ... 18.00 / - 2000 ... 2000 0.001 / 0.1 0.002 / 0.1 mV ± 1 Digit
Measurement input Dead stop (2 x 4 mm socket) Measurement range µA Display resolution µA Accuracy µA (without sensor)	Connector (µA) for double platinum electrodes Polarisation voltage variably adjustable from 40 ... 220 mV 0 ... 100 0.1 0.2 ± 1 digit
Measurement input temperature (2 x 4 mm socket) Measurement range temperature °C Display resolution °C Accuracy °C (without sensor)	Connector for Pt 1000 resistance thermometer - 75 ... 175 0.1 0.2 K ± 1 digit
Interfaces	2 x USB-A, 1 x USB-B 2 x RS232
Balance connection	RS232
Printer (USB-A)	HP PCL, Seiko DPU S445, PDF
Intelligent interchangeable modules (5, 10, 20 and 50 ml)	Valve: PTFE/ETFE Cylinder: borosilicate glass 3.3 (DURAN®) Hoses FEP, blue
Burette resolution (steps)	10000
Dosing accuracy according DIN EN ISO 8655, part 3	Accuracy : 0.15 % Precision: 0.05 - 0.07 % (Depending on the used interchangeable unit)
Manual titration	■
Housing material	Polypropylene
Front keyboard	Polyester coated
Housing dimensions	15.3 x 45 x 29.6 cm (W x H x D), height with interchangeable unit
Weight	2.3 kg for basic unit 3.5 kg for complete device incl. interchangeable unit (with empty reagent bottle, without magnetic stirrer)
Ambient conditions	Ambient temperature: + 10 ... + 40 °C for operation and storage
Solution preparation (manual or automatic when connected to balance)	■
Titration to mV and pH end points	2 EP
Dynamic and linear titration to inflection points (EQ) mV and pH	2 EQ
Particularly suitable for non aqueous titrations	■
Dead-stop-titration	■
pH-stat-titration	■
Water determination according to KF volumetry (10 ppm - 100 %, recommended)	■
Standard methods	■
Number of user methods	50
Connection and control of autosamplers	■
Can be controlled with TitriSoft 3.0	■