

xylem



TitroLine® 7750

BROCHURE
XA00005



a xylem brand

TITRONIC® 7750

The new titrator with more options

The TitroLine® 7750 combines the features of the potentiometric titrator TitroLine® 7000 and the volumetric Karl Fischer titrator TitroLine® 7500.

The TitroLine® 7750 is characterized as follows:



*TitroLine® 7750 with accessories
for potentiometric titration*

- ▲ Stores results via USB port (PDF - and CSV -format) including method transfer
- ▲ Includes standard methods for potentiometric and KF titration

- ▲ Highly visible full-color display that can be easily viewed from a distance and extreme angles
- ▲ Interchangeable modules which all relevant reagent and unit data can be stored
- ▲ The 2 x USB-host, 1 x USB-PC and 2 x RS232 ports are very expandable and enables the ability to daisy chain instruments and autosamplers together. Connectable to key pieces like a keyboard, printer, barcode reader, flash drives, balances, and a PC.



*TitroLine® 7750 with accessories
for KF titration*

Ordering Information - TitroLine® 7750

Type No.	Order No.	Description
TL 7750 w/ Titrisoft (non CFR)	285230520	TL 7750 basic unit with magnetic stirrer TM 235, stand rod and titration clamp Z 305, power supply 100-240 V, software TitriSoft 3.3 (TZ 3071 non CFR)
TL 7750	285230470	Basic unit without magnetic stirrer, with stand rod and titration clamp Z 305, power supply 100-240 V
TL 7750-M1	285230480	TitroLine® 7750 basic unit with magnetic stirrer TM 235, with stand rod and titration clamp Z 305, power supply 100-240 V
TL 7750 KF 05	285230490	TitroLine 7750 basic titrator unit with exchange unit WA 05, TM 235 KF titration stand with integrated stirrer and pump, titration vessel TZ 1770, micro double platinum electrode KF 1100 and starter kit, power supply 100-240 V
TL 7750 KF 10	285230500	TitroLine 7750 basic titrator unit with exchange unit WA 10, TM 235 KF titration stand with integrated stirrer and pump, titration vessel TZ 1770, micro double platinum electrode KF 1100 and starter kit, power supply 100-240 V
TL 7750 KF 20	285230510	TL 7750KF basic titrator unit with exchange unit WA 20, TM 235 KF titration stand with integrated stirrer and pump, titration vessel TZ 1770, micro double platinum electrode KF 1100 and starter kit, power supply 100-240 V

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

Required accessories for 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

Specifications - TitroLine® 7750

	Features
Display	Color graphics 3.5 in -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	- 3.0 ... 18.00 / - 2000 ... 2000
Display resolution pH / mV	0.001 / 0.1
Accuracy pH / mV (without sensor)	0.002 / 0.1 mV ± 1 Digit
Measurement input dead stop (2 x 4 mm socket)	Connector (µA) for double platinum electrodes
Display resolution µA	Polarization voltage from 40 ... 220 mV 0.1
Accuracy µA (without sensor)	0.2 ± 1 digit
Measurement input temperature (2 x 4 mm socket)	Connector Pt 1000/ NTC 30 Ω
Measurement range temperature	-40 - 125
Display resolution/ Accuracy °C (without sensor probe)	0.3 K (0-125 °C) ± 1 digit
Interfaces	1 x LAN, 2 x USB A, 1 x USB B, and 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)	20000
Dosing accuracy according DIN EN ISO 8655, part 3	Accuracy : 0.15 % Precision: 0.05 - 0.07 % (Depending on the used interchangeable unit)
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
Titration to mV and pH endpoints	2 EP
Dynamic and linear titration to inflection points (EQ) mV and pH	2 EQ
Number of user methods	50



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