

Piston Burette TITRONIC® 500, SI Analytics

Motor-driven piston burette with intelligent exchangeable dosing units with automatic recognition of unit size and reagent data. Besides manual titration and highly precise dosing tasks the TITRONIC® 500 can also be used for the preparation of solutions by entering the weights. The connection of an analytical balance allows the easy automatization of the solution preparation. The TITRONIC® 500 can be completely controlled from a PC via the USB- or RS-232-interface. Up to 16 burettes can be connected to one another via the RS232 interface according to the daisy chain principle.

Technical data:

Interfaces:	3 × USB (2 USB-A and 1 × USB-B) 2 × RS-232-C
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
Volume indication:	00.00 – 999.9 ml
Resolution:	0.001 ml (depending on unit size)
Dosing speed:	max. 100 ml/min (with 50 ml dosing unit)
Filling period:	min. 20 s to 999 s, adjustable (period in relation to cylinder volume)
Exchangeable burette units:	5, 10, 20 or 50 ml exchangeable units with unit size and reagent recognition
Burette resolution:	10,000
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 ISO 8655, part 6
CE-mark:	EMC: 2004/108/EG; safety EC-Directive 2006/95

Article	Order No.
TITRONIC® 500 basic unit, T 500	10 27 10200
Scope of delivery: TITRONIC® 500 basic unit without magnetic stirrer, with telescopic rod TZ 1510, electrode holder Z 305, controller TZ 3880, power pack 100–240 V	
TITRONIC® 500 with magnetic stirrer, T 500-M1	10 27 10210
Scope of delivery: TITRONIC® 500 basic unit with magnetic stirrer TM 235, with telescopic rod TZ 1510, electrode holder Z 305, controller TZ 3880, power pack 100–240 V	
TITRONIC® 500 with magnetic stirrer and 20 ml exchange unit, T 500-M2/20	10 27 10220
Scope of delivery: TITRONIC® 500 basic unit with magnetic stirrer TM 235 and 20 ml exchange unit WA20, with telescopic rod TZ 1510, electrode holder Z 305, controller TZ 3880, power pack 100–240 V	

