

TITRONIC®300 and TITRONIC®500 Ordering Guide

The [TITRONIC®300](#) and [TITRONIC®500](#) are both motor-driven piston burettes that can be used for manual titration and highly precise dosing tasks. The TITRONIC®500 can also be used for solution preparation by entering sample weights. An analytical balance can be connected in order to automate solution preparation.

Capabilities of these piston burettes can be further expanded by connecting them to TitriSoft, the SIAnalytics titration control software. The addition of a single TitroLine® unit brings your manual titrations to the automated level.

The TITRONIC®300 and TITRONIC®500 are offered as basic units or as fully assembled kits. When purchasing a fully assembled kit ([T300/20 M2](#), [T300/50 M2](#), or [T500-M2/20](#)), the only additional item that is needed is a reagent reservoir ([TZ3803](#)), which the user may already have or may plan to purchase from another supplier.

TITRONIC®300

There are four different configurations of the TITRONIC®300 that are available. Each configuration includes the following items:

- Dosing unit (20 mL or 50 mL)
- Tubes
- Fittings and titration tip
- Manual controller for the control of dosing and titrations tasks (TZ3880)
- Titration clamp (Z 305)
- Stand rod (TZ1748)
- Power supply (TZ 1853)

TITRONIC®300 configurations include:

285225800 (model # **T 300/20 M1**): Basic unit with assembled and ready-to-use 20 mL dosing unit (TZ3130).

285225820 (model # **T 300/20 M2**): Basic unit with assembled and ready-to-use 20 mL dosing unit (TZ3130). Magnetic stirrer (TM 50) included.

285225810 (model # **T 300/50 M1**): Basic unit with assembled and ready-to-use 50 mL dosing unit (TZ3160).

285225830 (model # **T 300/50 M2**): Basic unit with assembled and ready-to-use 50 mL dosing unit (TZ3160). Magnetic stirrer (TM 50) included.

IMPORTANT: Don't forget a reagent reservoir (TZ 3803) if you don't already have one!



TITRONIC®300

TITRONIC®500

There are three different configurations of the TITRONIC®500 that are available. Each configuration includes the following items:

- Manual controller for the control of dosing and titrations tasks(TZ3880)
- Titration clamp (Z 305)
- Stand rod (TZ1510)
- Power supply (TZ 1853)

TITRONIC®300 configurations include:

- 285220200** (model # **T 500**): Basicunit.
- 285220210** (model # **T 500-M1**): Basicunit. Magnetic stirrer(TM 235) included.
- 285220220*** (model # **T 500-M2/20**): Basicunit. Magnetic stirrer (TM 235) and 20 mL exchangeable unit (WA 20) are included.

*Other burette size options are available (5 mL, 10 mL, and 50 mL). Please see the TITRONIC®500 Accessories section.

IMPORTANT: Don't forget a reagent reservoir(TZ 3803) if you don't already have one!



TITRONIC®500

TITRONIC®300 *and* TITRONIC®500 –Accessories and Replacement Parts

The following accessories and replacement parts are designed for use with the TITRONIC®300 *and* the TITRONIC®500.

- 285220410** (model # **TZ 3835**): PC keyboard with USB plug.
 - 285220590** (model # **TZ 3803**): Reagent reservoir, 1000 mL, amber bottle with screw thread.
 - 285220530** (model # **TZ 3880**): Manual controller with USB plug for the control of dosing and manual titration tasks. Included with all TITRONIC300 and TITRONIC500 configurations.
 - 285220540** (model # **Z 305**): Titration clamp. Included with all TITRONIC300 and TITRONIC500 configurations.
 - 285212217** (model # **TZ 1853**): Power supply, 100 - 240 V. Included with all TITRONIC300 and TITRONIC500 configurations.
 - 285227103** (model # **TZ 3620**): Replacement titration tip with tube.
 - 285227263** (model # **TZ 3656**): Titration tip (blue), 0.7 mm, 5 pcs.
 - 285223007** (model # **TZ 3000**): 3/2-way valve for all titrators and burettes.
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TITRONIC 300® –Accessories and Replacement Parts

The following accessories and replacement parts are designed for use **only** with the TITRONIC®300.

- 285223718** (model # **TZ 3130**): 20 mL complete dosing unit, including piston, piston rod and UV protection coat. Included with T 300/20 M1 and T 300/20 M2.
 - 285223767** (model # **TZ 3160**): 50 mL complete dosing unit, including piston, piston rod and UV protection coat. Included with T 300/50 M1 and T 300/50 M2.
 - 285225840** (model # **TM 50**): Magnetic stirrer, for glass vessels up to 500 mL. Included with T 300/20 M2 and T 300/50 M2.
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TITRONIC® 500 –Accessories and Replacement Parts

The following accessories and replacement parts are designed for use **only** with the TITRONIC®500.

- 285220300** (model # **WA 05**): 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.
 - 285220310** (model # **WA 10**): 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.
 - 285220320** (model # **WA 20**): 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. Included with T 500-M2/20.
 - 285220350** (model # **WA 50**): 50 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.
 - 285220600** (model # **TZ 3805**): PTFE-piston, 5mL, with piston rod; only for WA 05. Included with WA 05.
 - 285220610** (model # **TZ 3810**): PTFE-piston, 10mL, with piston rod; only for WA 10. Included with WA 10.
 - 285220620** (model # **TZ 3820**): PTFE-piston, 20mL, with piston rod; only for WA 20. Included with T 500-M2/20 and WA 20.
 - 285220630** (model # **TZ 3850**): PTFE-piston, 50mL, with piston rod; only for WA 50. Included with WA 50.
 - 285220650** (model # **TZ 3905**): 5 mL burette cylinder, DURAN®; only for WA 05. Included with WA 05.
 - 285220660** (model # **TZ 3910**): 10 mL burette cylinder, DURAN®; only for WA 10. Included with WA 10.
 - 285220670** (model # **TZ 3920**): 20 mL burette cylinder, DURAN®; only for WA 20. Included with T 500-M2/20 and WA 20.
 - 285220680** (model # **TZ 3950**): 50 mL burette cylinder, DURAN®; only for WA 50. Included with WA 50.
 - 285220450** (model # **TZ 3870**): Complete tube set with all connections; includes titration tip and holder for exchangeable units; for use with all exchangeable units.
 - 285224303** (model # **TZ 3280**): Complete tube set, 3-part, without titration tip and shaft; for use with all exchangeable units.
 - 285220640** (model # **TZ 3900**): UV protection coat, blue; for use with all exchangeable units.
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Distributed By: Camlab Ltd
Unit 24, Norman Way Industrial Estate
Over, Cambridge, CB24 5WE, United Kingdom
T: +44 (0) 1954 233 110 E: sales@camlab.co.uk



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