

TITRONIC® basic

The burette with the ›Mouse‹

Anyone with a TITRONIC® basic in the laboratory will leave bottle-top burettes and classic glass burettes on the shelf. Manual titration can be performed more reliably and accurately with the TITRONIC® basic, and the results can be documented when required.

Operation is so easy

The titration process is carried out by pressing a button on the ›mouse‹ – the handheld device TZ 3680. You can monitor the dosed quantity conveniently on the large display. The TITRONIC® basic is equipped with an RS232-C serial interface so that you can document your results. Here, for example, you can also connect our small, practical TZ 3460 rollpaper printer or any other printer with a serial RS-232-C interface. Needless to say, you can also connect your PC to the TITRONIC® basic.

Precision is integrated

The accuracy of the TITRONIC® basic is guaranteed by the precision glass cylinder made of DURAN® borosilicate glass with its measurement deviation of less than 0.1 %. And the motor-driven, chemically resistant 3/2-way valve also provides its contribution for precise, reproducible values: It enables unpresurised drawing and dosing and therefore effectively prevents outgassing of liquids and vapour formation due to excessive vacuum pressure.

The magnetic stirrer is available as an accessory

The TM 96 magnetic stirrer is available as an accessory. It is connected directly to the burette, which provides the necessary power.



The complete workplace: precision analysis with no shaky compromises. With 8000-step resolution, precision glass cylinder with UV-protection, motor-controlled 3/2-way valve of extremely resistant PTFE/ETFE and an interface for documentation of the results. It's better to be on the safe side! (The bottle set must be ordered separately as an accessory.)

Technical data

Hand control element	miniature 4 pole round socket, conforming to DIN standards
RS-232-C	for connecting a printer with serial interface or PC for documentation
Display	four digit LCD display, 20 x 48 mm, height of digits: 12.7 mm
Volume display	0.01 ... 999.9 ml
Resolution	0.01 ml
Cylinder	20 ml DURAN® borosilicate glass cylinder with UV protection sleeve
Tubing	FEP with UV protection systematic error 0.1 %,
Dosing accuracy	random error 0.05 %, determined according to EN ISO 8655-6
Valve	3/2-port directional control valve made of PTFE/ETFE
Housing material	polypropylene and polyflamm RPP 371 NT, 20 % talcum
Front foil	polyester
Dimensions	135 x 310 x 205 mm (W x H x D), including dosing unit, without stirrer
Weight	approx. 2.1 kg
Ambient temperature	+10 ... +40 °C (for operation and storage)
Power supply	230 V~; 50/60 Hz or 115 V~; 50/60 Hz
Appliance safety	corresponds to Protection Class II in accordance with DIN EN 61010, part 1
Conformity	EN ISO 8655-3

Ordering information TITRONIC[®], TitroLine

TITRONIC[®] basic and TITRONIC[®] universal	Order no.
TITRONIC [®] basic module 1, (230 V)	285212572
TITRONIC [®] basic module 2, same as module 1, with magnetic stirrer TM 96, (230 V)	285212823
TITRONIC [®] universal 20 ml module 1, (230 V)	285212429
TITRONIC [®] universal 20 ml module 2, same as module 1, with magnetic stirrer TM 96, (230 V)	285212437
TITRONIC [®] universal 50 ml module 1, (230 V)	285212445
TITRONIC [®] universal 50 ml module 2, same as module 1, with magnetic stirrer TM 96, (230 V)	285212494
TITRONIC [®] basic module 1, (115 V)	285212564
TITRONIC [®] basic module 2, same as module 1, with magnetic stirrer TM 96, (115 V)	285212815
TITRONIC [®] universal 20 ml module 1, (115 V)	285211921
TITRONIC [®] universal 20 ml module 2, same as module 1, with magnetic stirrer TM 96, (115 V)	285211962
TITRONIC [®] universal 50 ml module 1, (115 V)	285211979
TITRONIC [®] universal 50 ml module 2, same as module 1, with magnetic stirrer TM 96, (115 V)	285211987
TitroLine easy	
TitroLine easy module 1 without electrode, (230 V)	285212597
TitroLine easy module 2 for pH titration, same as module 1, with one pH-electrode and buffer set, (230 V)	285212848
TitroLine easy module 3 for halogenide titration, same as module 1, with one silver combination electrode, (230 V)	285212864
TitroLine easy module 2 for pH titration, same as module 1, with one pH-electrode and buffer set, (115 V)	285212831
TitroLine easy module 3 for halogenide titration, same as module 1, with one silver combination electrode, (115 V)	285212856
Accessories for TITRONIC[®] basic, TITRONIC[®] universal and TitroLine easy	
TZ 2005, bottle top adapter, GL 45	285221055
TZ 2008, bottle top adapter, S 40	285221088
TZ 2004, bottle top adapter GL 45, with 1 L reagent bottle, brown	285221047
TZ 3460, RS-232 printer including data cable, (230 V)	285225608
TZ 2074, TitroLine Chart for TitroLine easy	1015738