

TITRETTE® BOTTLETOP BURETTE

The World's Only Bottletop Burette With Class A Precision

The BRAND Titrette® bottletop burette makes routine titrations faster, easier and more accurate. The Titrette® avoids the risk of spills from poured transfers to glass or plastic burettes, eliminates meniscus reading errors and offers accuracy that satisfies the tolerances for Class A glass burettes. The instrument is well suited for general chemistry, water treatment applications, food/beverage analysis, industrial titrations, and environmental work in the lab or field.

- **High Accuracy:** Precise titrations within the error limits of Class A glass burettes.
- **Smooth Operation:** Mechanism fills and titrates smoothly and easily, for exceptionally sensitive drop-wise titrations.
- **Compact Design:** The Titrette® operates in a fixed position on top of titrant bottles. The low-profile design is more stable and fits readily under shelves and cabinets.
- **Easy Handling:** The Titrette® switches automatically between filling and titrating modes. The titrating tube adjusts vertically and horizontally to match receiving vessels, and operation is cordless, using economical commercial batteries that are protected from corrosive vapors.
- **Simple Maintenance:** The Titrette® can be disassembled for cleaning, ensuring long, reliable service even with crystallizing titrants. Easy Calibration™ technology simplifies ISO/GLP compliance.
- **Special Options:** Amber windows (included) protect light-sensitive reagents. Optional drying tube protects moisture-sensitive titrants.
- **PC Interface:** Models available with direct data transmission to PC.

Visit www.brandtech.com for more details.



Class A precision

The Titrette® bottletop burette has an innovative measuring system which matches the Class A accuracy of glass burettes and, if needed, can display 3 decimal places for volumes below 20mL. This is an important feature for users who need to work within the Class A error limits of glass burettes according to DIN EN ISO 385 or within volumetric tolerance per ASTM E287.



Product appearance, catalog numbers, prices, specifications, and technical information are subject to change without notice.

Lab Rats Trust BrandTech!



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SCIENTIFIC, INC.

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Chemical Applicability

The Titrette® is suitable for use with the following titrating agents up to a concentration of 1 mol/L

Acetic acid

Alcoholic potassium hydroxide solution

Ammonium iron (II) sulfate solution

Ammonium thiocyanate solution

Barium chloride solution

Bromide bromate solution

Cerium (IV) sulfate solution

EDTA solution

Hydrochloric acid

Hydrochloric acid in acetone

Iodide iodate solution*

Iodine solution*

Iron (II) sulfate solution

Nitric acid

Oxalic acid solution

Perchloric acid

Perchloric acid in glacial acetic acid

Potassium bromate solution

Potassium bromide bromate solution

Potassium dichromate solution

Potassium hydroxide solution

Potassium iodate solution

Potassium permanganate solution*

Potassium thiocyanate solution

Silver nitrate solution*

Sodium arsenite solution

Sodium carbonate solution

Sodium chloride solution

Sodium hydroxide solution

Sodium nitrite solution

Sodium thiosulfate solution

Sulfuric acid

Tetra-n-butylammonium hydroxide solution

Triethanolamine in acetone*

Zinc sulfate solution

This partial list reflects testing completed prior to publication of this catalog. For information on reagents not listed, please contact us.

* Use lightshield inspection window

Comparison of error limits

Volume mL	Partial volume mL	Titrette® bottle top burette				Bottle top burettes according to DIN EN ISO 8655-3				Glass burettes Class A according to DIN EN ISO 385 and ASTM E287	
		A* < + %	μL	CV* < %	μL	A* < + %	μL	CV* < %	μL	EL** (DIN EN ISO) Volumetric Tolerance (ASTM) +μL	
10	10	0.10	10	0.05	5	0.3	30	0.1	10	20	
	5	0.20	10	0.10	5	0.6	30	0.2	10	20	
	1	1.00	10	0.50	5	3	30	1	10	20	
25	25	0.07	18	0.025	6	0.2	50	0.1	25	30	
	12.5	0.14	18	0.05	6	0.4	50	0.2	25	30	
	2.5	0.70	18	0.25	6	2	50	1	25	30	
50	50	0.06	30	0.02	10	0.2	100	0.1	50	50	
	25	0.12	30	0.04	10	0.4	100	0.2	50	50	
	5	0.60	30	0.20	10	2	100	1	50	50	

* Error limits related to the nominal capacity (= maximum volume) indicated on the instrument, obtained when instrument and distilled water are equilibrated at ambient temperature (20°C/68°F) and with smooth operation.

** Error limit: EL = A + 2CV

A*=Accuracy, CV*=Coefficient of Variation The maximum resolution of the display: The titration volume is displayed in steps of 1μL for instruments with 10mL and 25mL size and in steps of 2μL for 50mL size instruments. For titration volumes above 20mL the display will automatically switch to steps of 10μL.

PC interface (optional)

Models available with direct data transmission to a PC.



Description	Cat. No.	2015 List Price
Titrette® bottle top burette		
10mL (standard) NEW!	4760141	\$1,025.00
10mL with RS232 interface* NEW!	4760241	1,427.00
25mL (standard)	4760151	1,025.00
25mL with RS232 interface*	4760251	1,427.00
50mL (standard)	4760161	1,025.00
50mL with RS232 interface*	4760261	1,427.00

* Additionally included: connector cable (Sub-D plug connector, 9-pin), one CD (driver software and open RS232 communication protocol). The CD also includes an example application in XLS-file format, as well as a special operating manual.

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