

## 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 acc. to DIN EN ISO 385
		A* ≤ ± %	μl	CV* ≤ %	μl	A* ≤ ± %	μl	CV* ≤ %	μl	EL** ± μl
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

\* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-3. Conformity certified to DIN 12600.

A = Accuracy, CV = Coefficient of variation

\*\* Error limit: EL = A + 2CV

The maximum resolution of the display:

25 ml instrument: 0.001 ml, above 20 ml titration volume 0.01 ml;  
50 ml instrument: 0.002 ml, above 20 ml titration volume 0.01 ml.

The error limits for Class A burettes according to DIN EN ISO 385 are met.

### Note:

If you need an official certification which confirms the error limits that are much stricter than those of DIN EN ISO 8655-3, we recommend a calibration certificate from an accredited calibration laboratory (e.g., the DKD laboratory at BRAND).

## Ordering Data

### Titrette®

#### Items supplied:

Each Titrette® bottle-top burette is conformity certified and supplied with performance certificate, telescoping filling tube (170 - 330 mm), recirculation tube, 2 batteries (AAA/UM4/LR03), 3 PP bottle adapters (GL 45/32, GL 45/S 40, GL 32/NS 29/32), 2 amber colored light shield inspection windows.

Volume	Standard Cat. No.	with RS 232 interface* Cat. No.
25 ml	4760 151	4760 251
50 ml	4760 161	4760 261
°SH (25 ml)	4760 451**	–

\* Additionally included: interface 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.

\*\* For the determination of the acidity of milk and liquid dairy products using the Soxhlet-Henkel method (4 °SH = 1 ml).



### Note:

When ordering instruments with DKD certificates, the prefix 'DKD' must be added to the order number, e.g., DKD 4760 161.



BRAND also offers an on-site **calibration service** (for more information, please see page 291).

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