

Perfection in Liquid Handling

RAPID AND ACCURATE TITRATION



VITLAB 
Competence in Labware



VITLAB® continuous E/RS



The VITLAB® continuous bottle-top burette (Figure 1) enables continuous titration, which leads to rapid, convenient, and accurate results. The angled display shows 4-position titration volume in large, easily read numbers (Figure 2), which simplifies operation. Turning the two hand wheels supplies the titration medium in a **continuous and pulse-free** manner via the specially developed double-piston pump (Figure 3). Filling procedures are not necessary. This innovative technology increases safety; its compact design and low centre of gravity reduce risk of overturning, especially with smaller bottles. The height and length of the discharge tube can be adjusted, making it possible to work safely with both short and tall bottles. The innovative recirculation system (Figure 4) **prevents the loss of valuable reagent** and reduces the risk of splashes. With its simple-to-use calibration function, VITLAB® continuous fulfils the corresponding requirements for test equipment monitoring without instrument downtime. Margins of error are under those specified in the DIN EN ISO 8655-3 standard, even for partial volumes. VITLAB® continuous is DE-M marked. Also available with DAkkS calibration certificate.



Included in delivery:

VITLAB® continuous E/RS, with GL 45 connecting threads and GL 32, GL 38 and S 40 (buttress thread) size PP thread adapters, telescopic filling tube (200 - 350 mm), telescopic discharge tube (140 - 220 mm), two 1.5 V microbatteries (LR 03/AAA), instruction manual, and quality certificate.

Type	Volume/rot.** ml	A* ≤ ± %	CV* ≤ %	PU	Cat. No.
E	2.5	0.2 at 25 ml	0.1 at 25 ml	1	1620506
RS	5.0	0.2 at 50 ml	0.1 at 50 ml	1	1620507

*Accuracy and coefficient of variation according to DIN EN ISO 8655-3
 **Volume dispensed per rotation of the hand wheel

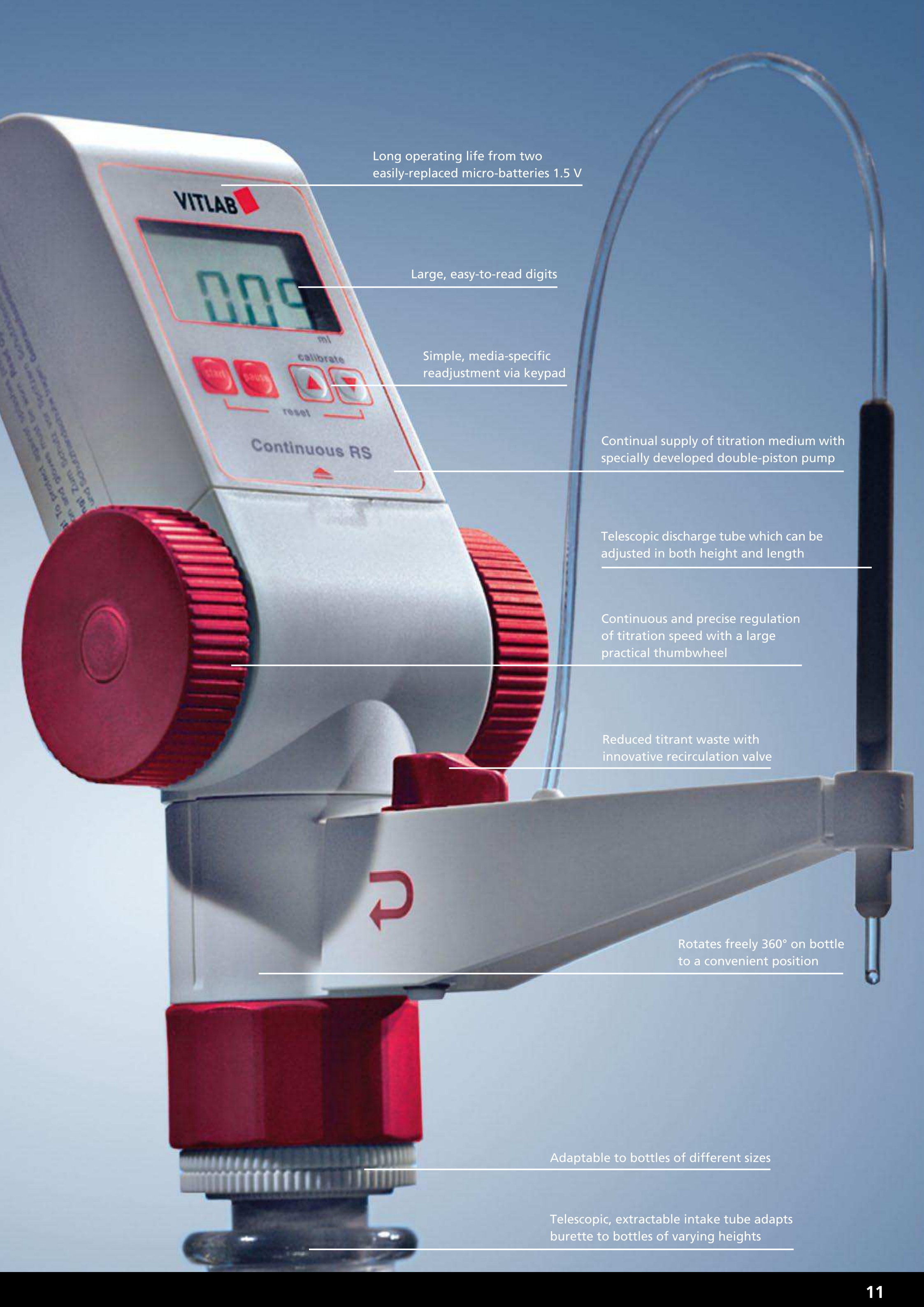


The VITLAB® continuous E/RS bottle-top burette can be used for the following titrants up to a concentration of 1 mol/L:

Acetic acid	Potassium dichromate solution
Ammonium iron (II) sulphate solution	Potassium hydroxide
Ammonium thiocyanate solution	Potassium iodate solution
Barium chloride solution	Potassium permanganate solution
Bromide bromate solution	Potassium thiocyanate solution
Cerium (IV) sulphate solution	Silver nitrate solution
EDTA solution	Sodium arsenite solution
Hydrochloric acid	Sodium carbonate solution
Iodine solution	Sodium chloride solution
Iron (II) sulphate solution	Sodium hydroxide
Nitric acid	Sodium nitrite solution
Oxalic acid solution	Sodium thiosulphate solution
Perchloric acid	Sulphuric acid
Potassium bromate solution	Tetra-n-butylammonium hydroxide solution
Potassium bromide / bromate solution	Zinc sulphate solution

The recommendations in this table have been carefully tested and reflect the most current information available. Always follow the instruction manual for the instrument as well as the reagent manufacturer's specifications. Should you require information on chemicals not listed, please do not hesitate to contact us. As at 03/12.





Long operating life from two easily-replaced micro-batteries 1.5 V

Large, easy-to-read digits

Simple, media-specific readjustment via keypad

Continual supply of titration medium with specially developed double-piston pump

Telescopic discharge tube which can be adjusted in both height and length

Continuous and precise regulation of titration speed with a large practical thumbwheel

Reduced titrant waste with innovative recirculation valve

Rotates freely 360° on bottle to a convenient position

Adaptable to bottles of different sizes

Telescopic, extractable intake tube adapts burette to bottles of varying heights