

Digital Burettes, solarus®, Hirschmann

An integrated solar cell provides power to the solarus® digital burette made by Hirschmann Laborgeräte.

This means:

- no more battery replacement
- no more recharging

solarus® replaces any glass burette and a variety of motor-driven burettes. A clear digital display eliminates all meniscal reading errors. A modern ergonomic design makes routine titration easier. Available in a 10 ml, 20 ml and a 50 ml version.

The **media recirculation system** (standard equipment) facilitates bleeding, reduces waste of the expensive medium and protects the environment. Easy to replace valves, suction, ejection, and return valve are made of highly pure Al_2O_3 ceramics (99.7%); they are inert to the greatest possible extent as well as non-wearing. Calibration is simple using „Quick Cal“ and factory calibration is stored permanently in the device. Together, this provides scope for very individualized modification.

Further features:

- Turns freely on the bottle so that the label always faces the user
- Easy to read display
- Very fine resolution in 0.01 ml increments
- Handwheels with soft-touch surface for good grip
- Very precise gearing
- Clear-cut operation controlled by 2 keys
- Switching from default to user-specific calibration
- Sturdy discharge unit
- With declaration of conformity acc. to DIN 12600

Additional advantages:

Serial bidirectional interface for recording titration results, further processing of titration data, and fully automatic setting of a calibration factor when using an electronic balance.

① Digital burettes, solarus®

Items supplied:

solarus® with screw thread A 45, 3 thread adapters (PP) A 32, A 38 and S 40, ejection unit, suction hose with union nut, return hose, valve mounting wrench, single calibration certificate.

Volume ml	R %	CV %	Order No.
10	0.3	0.1	10 37 92010
20	0.2	0.1	14 37 92020
50	0.2	0.1	14 37 92050

Adapter

Thread adapter	to	Material	Order No.
A 45	A 28	PP	10 37 13523
A 45	A 38/430	PP	10 37 13524
A 45	A 32	ETFE	14 37 13621
A 45	A 38	ETFE	14 37 13625
A 45	S 40	ETFE	14 37 13627
A 45	NS 29/32 adapter	silicone	10 37 13742

Accessories

Article	Order No.
Ejection unit standard	14 37 13025
Dispensing unit titration, variable, with hose holder, 400 mm, FEP	14 37 63004
Discharge unit, complete, with Luer-Lock connection adapter	14 37 13028
Suction tube with fitting, 400 mm	14 37 15007
Connecting cable for serial interface, RS 232	14 37 64005
Connecting cable USB	10 37 64006
Dispensing unit, flexible, spiral shaped	10 37 13026
Window inspection, amber	10 37 86060
Adapter with NS 12/21 filling tube for funnel	10 37 13741
Discharge valve, ball Al_2O_3 , Hastelloy spring	10 37 16015
Suction valve, ball Al_2O_3 , Hastelloy spring	10 37 16515
Discharge valve, ball Al_2O_3 , platinum-iridium spring (HF)	14 37 16028
Suction valve, ball Al_2O_3 , platinum-iridium spring (HF)	14 37 16528
Return valve, ball Al_2O_3 , platinum-iridium spring (HF)	14 37 16626
Return valve, ball Al_2O_3 , Hastelloy spring	10 37 16615



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