



## Bottle-top dispensers and titrators, opus® Hirschmann Laborgeräte



opus® Dispenser



Silicone platform

Safe and reliable, these bottle-top dispensers and titrators provide extremely sensitive, motor-powered dispensing precision. These devices operate with remote touch screen controllers that give complete control over all functions.

- Controllers feature menu guided user instructions with tab cards on an external coloured TFT touch screen
- Stepper function offering the ability to dispense several volume increments from a single cylinder fill
- Pumps equipped with ceramic compound piston seals for excellent durability and electronic protection. A return valve at base of pump helps reduce costs by enabling users to prime the pump and return liquids to the bottle
- Optional silicone system platform neatly organises all components by securely combining bottle and pump and providing a convenient space for controller placement
- Other options: Battery pack to operate independently from any power outlet, language selection (English, German, French, and Spanish), specification of suction and dispensing speed and the capacity for up to 10 different memory settings further enhance the versatility of the controllers

PC interface: RS232 or USB

Accuracy: 0,6% - Dispenser 10/20/50 ml; 0,5% - Titrator 20/50 ml

Precision (CV): 0,2% - Dispenser 10/20/50 ml; 0,07/0,07/0,05% - Titrator 10/20/50 ml

**Ordering information:** Supplied as complete kits with a bottle-top mounted pump, a remote controller and an individual calibration certificate.

Description	Volume (ml)	Pk	Cat. No.
opus® Dispenser 10 ml, 230 V, UK plug	10	1	613-1595
opus® Dispenser 20 ml, 230 V, UK plug	20	1	613-0757
opus® Dispenser 50 ml, 230 V, UK plug	50	1	613-0758
opus® Titrator 10 ml, 230 V, UK plug	10	1	613-1597
opus® Titrator 20 ml, 230 V, UK plug	20	1	613-0763
opus® Titrator 50 ml, 230 V, UK plug	50	1	613-0764

Description	Pk	Cat. No.
<b>Accessories for opus®</b>		
Remote dispenser controller, UK-plug	1	613-0772
Remote titration controller, UK-plug	1	613-0775
Silicone platform, grey	1	613-0777
Connecting cable (Data Power Cable) between basic unit and module, 0,75 m	1	613-0780
Connecting cable (Data Power Cable) between basic unit and module, 2 m	1	613-0781
Connecting cable (Data Power Cable) between basic unit and module, 5 m	1	613-0782
Battery pack for wireless applications	1	613-0783
DKD calibration certificate for opus® 10, 20, 50 ml	1	613-2262



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