

① opus® precision titrator

The motor-operated, semi-automatic digital burette for quick titration.

opus® for motor-operated titration directly from the test tube. Available in three volumes (10 ml, 20 ml and 50 ml). The settings for the titration process are made via an intuitive menu at the TFT touch screen. The user interface offers clearly legible and understandable menu functions. Due to electronic motor control, opus® is a very sensitive precision device.

Features:

- Menu-structured, simple user guidance by means of index cards on the external, coloured TFT touch screen, which can also be read well in daylight
- Various areas of application by using high-quality materials (ECTFE, DURAN® glass, FEP); media-touching parts can be steam-sterilised (121°C)
- User-friendly feedback system for quick venting without losing the reagent - good for the environment and the budget
- Quick titration and drop titration
- Accessories (selection):
 - Connection cable USB interface
 - Connection cable to touch screen in 2000 mm and 5000 mm length, special lengths available
 - System platform made of silicone with bottle holder
 - Batteries as accessories for optional battery operation
- Hassle-free, individual calibration possibilities
- Method memory, up to 9 different settings for e.g. volume, speed, cycle time, ... can be saved
- Individual adjustment possibilities e.g.
 - Language selection (DE, UK, FR, ES)
 - Setting the suction speed and dispensing speed in ml/sec (adjustment to viscosity of the medium)
- Saving the last setting ensures quick continuing after switching the device back on
- With declaration of conformity acc. to DIN 12600
- Quality control according to DIN EN ISO 8655
- Valve seats and ball made of highly pure Al₂O₃ ceramics (99.7%)

Items supplied:

opus® titration, complete with screw thread A 45, 3 thread adapters (A 32, A 38 and S 40), 1 suction hose with union nut, return hose, titration ejection unit, valve mounting wrench, touch screen operating unit „titration“, brown light protection window, power pack, Data-Power cable, single calibration certificate.

Article	Plug	R %	CV %	Order No.
opus® titration, 10 ml	EU, US, UK	0.2	0.7	10 37 82010
opus® titration, 20 ml	EU, US, UK	0.2	0.7	10 37 82020
opus® titration, 50 ml	EU, US, UK	0.2	0.5	10 37 82050

Accessories (selection)

Article	Order No.
opus® system platform, grey	10 37 86001
Data power cable, length 0.75 m	10 37 87001
Data power cable, length 2 m	10 37 87002
Data power cable, length 5 m	10 37 87003
Connecting cable for serial interface, RS 232	14 37 64005
Connecting cable USB	10 37 64006
Battery pack	10 37 87100
Screen protectors, 1 pack = 2 pieces	10 37 87200
Adapter with NS 12/21 filling tube for funnel	10 37 13741
problem-free filling of medium through a funnel, without unscrewing the basic unit	
Ground adapter NS 29/32	10 37 13742
for direct reagent extraction from a ground bottle	
Ejection unit with fine tip	10 37 13041
these even finer tips facilitate precision realisation of the finest droplets	
Window inspection, amber	10 37 86060
② Mouse control, for highly sensitive media handling	10 37 64004
Dispensing unit titration, variable, with hose holder, 400 mm, FEP	14 37 63004
Discharge valve, ball Al ₂ O ₃ , Hastelloy spring	10 37 16015
Suction valve, ball Al ₂ O ₃ , Hastelloy spring	10 37 16515
Return valve, ball Al ₂ O ₃ , Hastelloy spring	10 37 16615

