

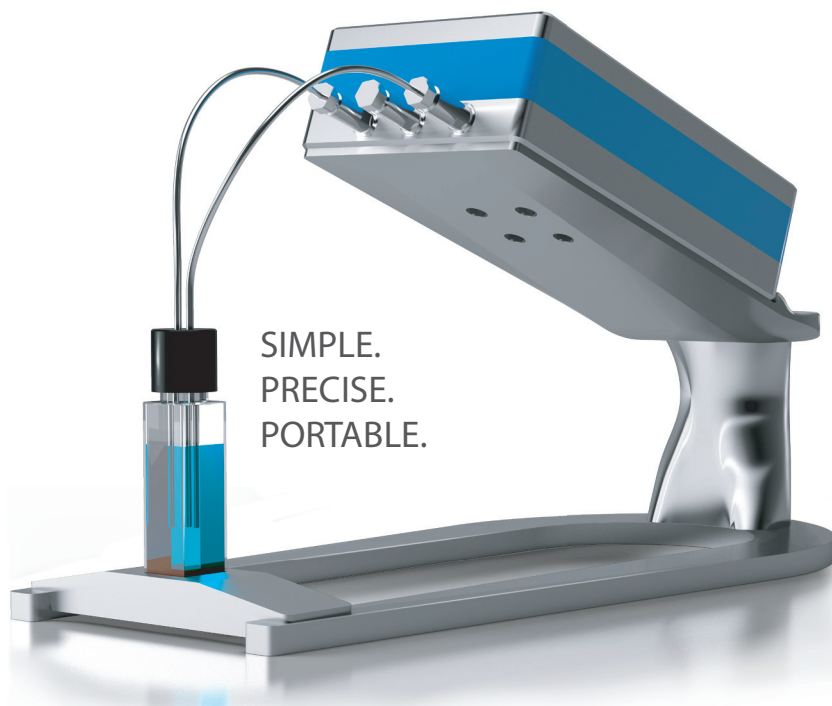
DOSTAL DOSY

Liquid dispenser & titrator

DATASHEET

Description

The DOSTAL DOSY is an automatic fluid dispenser and titration device. It can dose all sorts of liquids in the lab precisely to the nanoliter. The DOSTAL DOSY was engineered to take up microliter volumes of samples, where they are made and either titrate them into a solution or deliver them straight into bigger scientific instruments such as UV-vis, Fluorescence, MS, HPLC or NMR devices.



SIMPLE.
PRECISE.
PORTABLE.

Mechanical Data

Dimensions 120 × 80 × 30 mm
Weight 1 kg

Electrical Data

Power supply Li-PCM, 2600 mAh battery
Charger 110 – 220 VDC
Battery lifetime ca. 72 h

Communication

Software DOSY TOOL 2.x
Operation Bluetooth

Sterilisation

Cartridges Autoclavable
DOSTAL DOSY UV-light

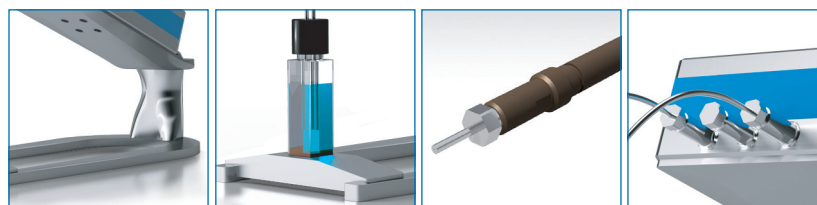
Physical & Chemical Stability

Cartridges PEEK, all common aqueous solutions, most organic solvents
Plunger Dynamite Like Carbon coated steel, at applied force no irreversible bending possible
Operation range 4 – 50 °C, < 90 % humidity

Titration & Dosage Performance

	Cartridge I/II Dosage	Cartridge III Mixing	Special Sizes
Volume max	20 µl	320 µl	20 – 320 µl
Volume min	50 nl	800 nl	50 nl – 800 nl
No. of steps	213	213	213
Dosage error max	6.7 nl	107.1 nl	6.7 – 107.1 nl
Pressure max	5 MPa	1 MPa	5 – 1 MPa

Accessories & Spare Parts



Holder

Cuvette Holder

Cartridges

Capillaries & Fittings

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DOSTAL

Scientific Engineering Solutions