

SAMPLIFY Robot



Key Features

Lab-Automation „à la carte“

Powered by SAMPLIFY Script software your system can be exactly tailored to your needs. You can use SAMPLIFY as an intelligent hand-held pipette as well as a database connected and full LIMS-integrated tool.

cost effective

The modular design allows to buy only equipment that you really need. In our price model we ensure fair and transparent prices. You could order the unit "out of the box" or with installation and configuration services.

flexible & modular

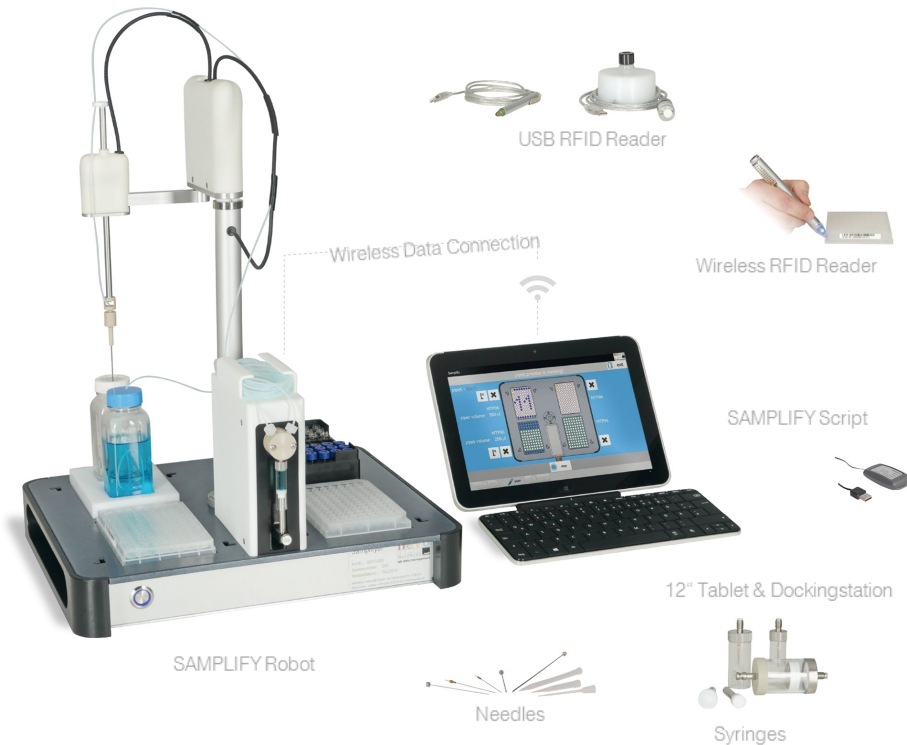
Combine SAMPLIFY with our proven labware (vessels, vials, racks, etc.) If necessary, we could provide individual adapters. According to your needs SAMPLIFY can be extended with a variety of components such as shaker, balance, data system, switch, laminar flow hoods.

compact

By only 5 kg of weight, it can easily be replaced to another place. Lab space is precious. SAMPLIFY is easy to set up and requires less space

intelligent

Open design permits full system integration as well as standalone use. Combine SAMPLIFY with barcode, RFID and other equipment. Enlarge it with capabilities and features that were previously supplied only by complex and costly systems.



Introduction

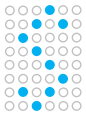
SAMPLIFY Robot provides your laboratory a versatile, easy to use and cost-effective solution for liquid handling and automation. Even smaller teams can benefit from the advantages of lab-automation.

SAMPLIFY can be configured quickly and easily - like an intelligent, automated hand pipette. Individual methods, once developed could be reused by every team member for often needed procedures. If necessary, SAMPLIFY can be extended with barcode, RFID and other components. Even a full LIMS-integrated solution is possible.

It is set up quickly and needs only 1 sq.foot lab space and 230V/110 V power outlet to be ready. Weighing less than 5 kg of weight, SAMPLIFY can easily be placed into to a laminar flow hood. The System can be extended with a variety of components; according to your needs. Combine SAMPLIFY with your own labware, vessels and equipment.

The robot can be controlled by a tablet PC through a wireless connection. This provides a high range of flexibility and saves valuable laboratory space. Powered with individual apps, an innovative script language and easy-to-use interfaces SAMPLIFY Script software can be exactly tailored to your needs for all levels of operations.





SAMPLIFY Robot



Samplify Robot

Articlenumber	8027 100 und 8027 200
Dimensions, Basis	ca. 375 x 375 x 60 mm (B x H x T)
Dimensions, Scara	ca. 95 x 95 x 430 mm (r1 x r2 x H)
Material	Aluminium, PTFE coated, PTFE, PP
Weight	ca. 5,1 kg with liquid handling unit
Conditions	15 - 25 °C, dry atmosphere

Power Supply

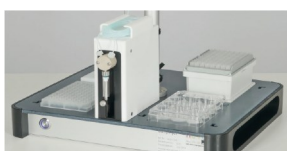
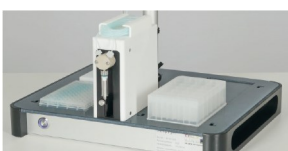
Power Supply Input	Input 100-240 VAC 50/60 Hz
Power Supply Output	24 V, 3000 mA
Powerdemand	72 W max
Currentdemand	ca. 1,5 A
Electrical Safety	Integrated shortcut and overvoltage protection

Control unit

System	Controlboard with RISC Prozessor und wireless communication
Fuses	internal, max. input: 2,5 A / 30 V
Interfaces	In: 4 x 24 V Digital Out: 2 x 24 V, potential free, max. 6 A Analoginput 0-2 V / 14 bit

Hardware

Force	Continuous Force 3,6 N, Peakforce 10,7 N
Operating length	190 mm
Precision	0,22 mm (Z-axis)
Stroke Z-axis	120 mm
Resolution Pump	3000 resp. 24000 increments at 30 mm stroke
Syringe volume	50µL – 12,5 ml



Application

SAMPLIFY can be used in a wide variety of applications:

as a stand alone liquid handling system,

for dosing and pipetting of liquid samples,

in sample preparation to add stabilizers, create stocksolutions or provide dilutions,

as an autosampler system,

as a fraction collector in chromatography applications,

and many other purposes.

Accessories

8027 210 - Liquid Handling Modul
8027 410 - TabletPC & Docking
8027 420 - nevoLAB Link
8027 430 - Footswitch
8027 440 - RFID-Pen, USB
8027 450 - RFID-Pen, wireless
8027 460 - Barcode Reader
8027 470 - Label Printer

8027 231 - Tube Kit Syringe
1,5 m PTFE Tube 1/16"; PP Fitting & Washer, Connectors for needles

Tube Connector Kits - ready to use
Syringes 50 µl to 12,5 ml with PTFE, HD-PE- oder Black PTFE Seal

Needles in different sizes, materials and diameters.

nevoLAB GmbH

Am Gehrenbach 8
D 88167 Maierhöfen
phone: +49 (0) 8383 929 566 0
fax: +49 (0) 8383 929 566 30
email: info@nevolab.de
www@nevolab.de