

Vacuum controller VACUU·SELECT

[Link to the website](#)

Product description

Looking for an intuitive, easy-to-use vacuum controller? VACUUBRAND has introduced the VACUU·SELECT controller - an application-based controller with a touch screen display for all of your lab-scale vacuum processes. The VACUU·SELECT controller has you covered. Use manual set-point-control for simple processes, run fully automated distillations or create your own application with simple drag-and-drop editing. To use pre-defined applications, simply select your application and press start. The controller independently manages the vacuum process to completion. For solvent evaporation, the VACUU·SELECT controller detects boiling points and adjusts the vacuum process as necessary. You can virtually forget about the vacuum process and devote your attention to other tasks. The VACUU·SELECT controller is an easy-to-use, efficient controller for your lab.

Performance features

- precise VARIO® control via motor speed adjustment in combination with VARIO diaphragm pumps
- classic two-point vacuum control in connection with an external in-line solenoid valve
- graphic user interface simplifies laboratory work
- predefined applications for quick, save time and guarantee reproducible results
- application editor allows easy customization

Ordering data

Product name	Nominal mains voltage mains frequency	Plug type	Articleno.
VACUU-SELECT	100-230 V 50-60 Hz	CEE/CH/UK/US/AUS/CN	20700000

Items supplied

VACUU-SELECT vacuum controller, with vacuum sensor, venting valve, power supply, extension cable VACUU-BUS® 2 m, 100-230V / 50-60Hz, plug CEE/CH/UK/US/AUS

Accessories

- Function extension for VACUU-SELECT controller VACUU-SELECT User Management (20700900)
- Rubber vacuum tubing DN 8 mm (20686001)
- Solenoid-operated valves VV-B 6C (20674291)
- Solenoid-operated valves VV-B 15C (20674215)
- Function extension for VACUU-SELECT controller VACUU-SELECT User Management (20700900)
- Rubber vacuum tubing DN 8 mm (20686001)
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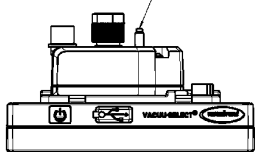
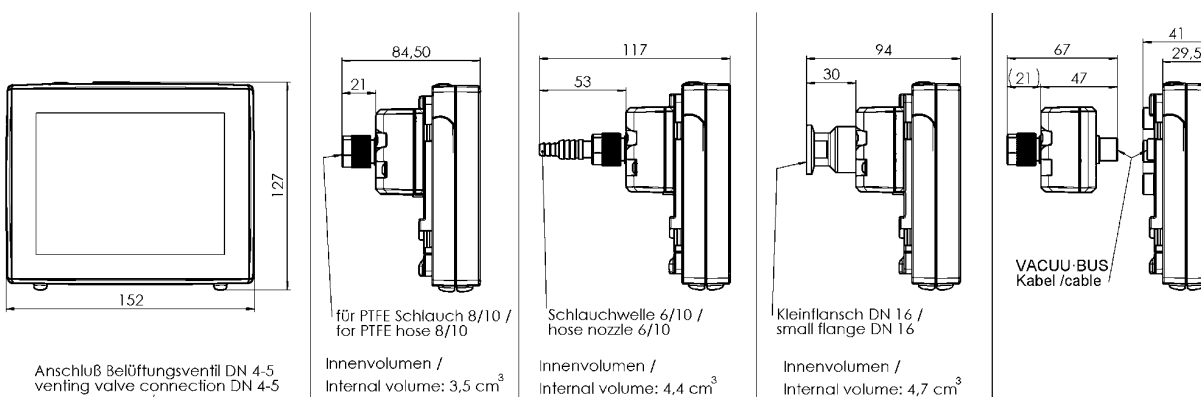
Technical data

Measuring range (mbar)	1080 - 0.1 mbar
Measuring range (torr)	810 - 0.1 torr
Control range (mbar)	1080 - 1 mbar
Control range (torr)	810 - 1 torr
Measurement principle	Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure
Accuracy of measurement	< +/- 1 mbar/hPa/torr / +/- 1 digit (after adjustment, constant temp.)
Vacuum sensor	VACUU-SELECT Sensor
Temperature coefficient	< 0.15 mbar/hPa/0.11 torr /K
Vacuum sensor connection	Small flange KF DN 16, PTFE tubing connection 10/8 mm, hose nozzle DN 6/10 mm
Venting valve, connection	Integrated, hose nozzle DN 4-5 mm
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. media temperature (continuous operation)	40 °C
Max. media temperature for short times	80 °C
Material of outer housing	Robust plastic housing with good chemical resistance
Protection class IEC 60529	IP 40
Protection class UL50E	Type 1
Protection class of front side according to IEC 60529	IP 41
Protection class of front side according to UL50E	Type 2
Dimensions (L x W x H)	152 x 127 x 41 mm
Weight	0.745 kg
Max. breaking capacity / breaking current 24V/VACUU-BUS®	4 A
Cable length connection	2 m
ATEX conformity	II 3/- G Ex h IIC T4 Gc X Internal Atm. only
NRTL certification	Yes

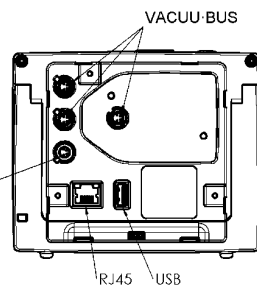
Interface

Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required)

Dimension sheet



Anschluß Belüftungsventil DN 4-5
venting valve connection DN 4-5



Anschluß Netzteil / Pumpe
wall power supply connection / pump

Gewicht Controller mit montierten Sensor /
weight controller with mounted sensor: 745g

Gewicht Controller ohne Sensor /
weight controller without sensor: 590g

Gewicht Steckernetzteil /
weight power supply: 250g

Alle Maße / all dimensions (mm)

Für Einbau, Einbausatz 636593,
bestehend aus drei Federclips plus
Schrauben 3x10, montieren.
For mounting, assemble installation kit
636593, consisting of 3 clips and 3
screws 3x10.

Aussparung für Fronteinbau
Cut-out for front assembly

Blechstärke [mm] wall thickness	Aussparung [mm] cut out
1	111,5x111,5
2	112,0x112,0
3	112,6x112,6

VACUUBRAND VACUU-SELECT m. Sensor
Version 2018/02/06

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VACUUBRAND®

VACUUBRAND is part of the Brand group, a manufacturer of high-quality and innovative laboratory equipment and vacuum technology with a global team of approx. 1,000 employees.

With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

All with one goal:

Enabling our customers to run reliable, safe and efficient processes. This is why we commit ourselves to continuous innovation, first-class performance, and outstanding quality.

Engineering excellence is central to our ability to deliver products and solutions renowned for their quality, durability, and reliability. Innovative technology, high quality materials and extensive testing deliver unmatched performance - engineered and manufactured in Germany.

Together with you, our experts will find the best solution for your application and provide you with first-class service along the way.

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