

# 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 predefined 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

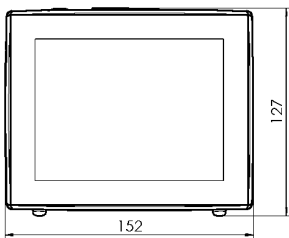
## Accessories

- 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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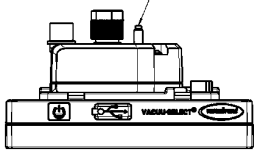
## Technical data

|  |  |
|--|--|
| Measuring range (mbar)                                   | 1080 - 0.1 mbar  |
| Measuring range (torr)                                   | 810 - 0.1 torr   |
| 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

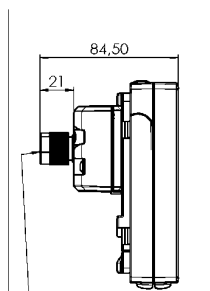


Anschluß Netzteil / Pumpe  
wall power supply connection / pump

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

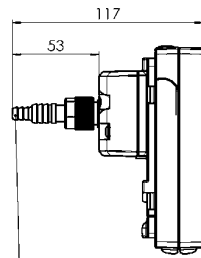
Gewicht Controller ohne Sensor /  
weight controller without sensor: 590g

Gewicht Steckernetzteil /  
weight power supply: 250g



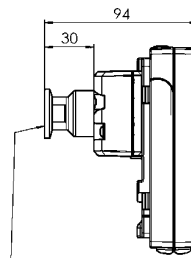
für PTFE Schlauch 8/10 /  
for PTFE hose 8/10

Innenvolumen /  
Internal volume: 3,5 cm<sup>3</sup>



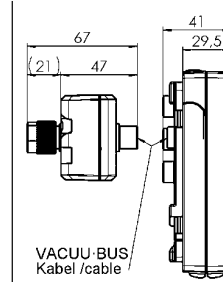
Schlauchwelle 6/10 /  
hose nozzle 6/10

Innenvolumen /  
Internal volume: 4,4 cm<sup>3</sup>

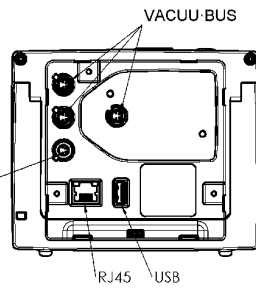


Kleinflansch DN 16 /  
small flange DN 16

Innenvolumen /  
Internal volume: 4,7 cm<sup>3</sup>



VACUU-BUS  
Kabel / cable



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]<br>wall thickness | Aussparung [mm]<br>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.

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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.

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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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