

WÖHLER



WÖHLER BC 600 BLOWER CHECK

Wide measurement range, little effort.

The Measure of Technology



Made in
Germany

Wöhler BC 600 Blower Check

Fully automatic airtightness check of building envelope

There really is a difference if you determine the airtightness of a building envelope of a passive house or that of a big non-residential building. Thanks to its large flow range the new Wöhler BC 600 Blower Check can do it all. High precision sensor systems ensure the required measurement accuracy.

With the all new installation frame and sophisticated clamping system it is possible to fit the blower fan unit air tight in a window or door in just a few easy steps – even under difficult installation conditions. Negative and positive pressure measurements can then be carried out one after the other without any time-consuming alterations to the test setup, because the blower fan automatically changes the direction of air flow.

You control the blower fan via the Wöhler BC 600 app, which can be downloaded free of charge to your smartphone or tablet (Android / iOS / Windows 10). You simply use your mobile device instead of carrying around heavy, cabled operating units. All measurement data are transmitted via Wireless LAN. The measurement sequence specified by the applicable standards ISO 9972 and EN 13829 are stored in the app to guarantee the Wöhler BC 600 is able to quickly and correctly carry out the measurements in full compliance with the relevant standards – fully automatic.

However, it is possible to physically intervene at any time if the need arises. The user needs only to update the app at a later date if a standard is amended; that guarantees the measurements remain standards compliant in the long term. No additional device is required for control purposes if a simple search is to be made for air leaks; this is because the Wöhler BC 600 regulates the desired differential pressure automatically. The status is then indicated by the buttons lighting up.

You are able to store and analyze all customer and measurement data to ensure you always have the necessary information at the tip of your fingers. Controlling the device using the app offers you numerous options. For instance, you are even able to carry out a measurement using up to four Wöhler BC 600 blower fans that you control simultaneously using your terminal device. In that case it is no longer necessary to subdivide large or insufficiently sealed buildings into measurement segments, the test can be done at once.



- ▶ New, time-saving installation concept
- ▶ Fully automatic measurement sequence according to ISO 9972 / EN 13829
- ▶ Blower fan automatically changes direction for negative and positive pressure measurements; no need to alter the setup during the test
- ▶ Large air flow range 15 m³/h to 6000 m³/h without additional orifices
- ▶ Integrated temperature, absolute pressure and relative humidity measurements included
- ▶ Intuitive control per app incl. evaluation, report generation and customer management
- ▶ Multiple device mode: Control up to four Wöhler BC 600 devices via the app



Time-saving installation concept

No additional installation frame required for standard installation situations (e.g. window / balcony door). Can also be used for round and inclined openings, etc.



Control via App

The fan unit is controlled via the Wöhler BC 600 App, which is simply loaded onto a smartphone, tablet or laptop (Android, iOS or Windows 10).



Simple and flexible installation

Installation in windows and doors through sophisticated clamp system. If window frames or door frames are still missing, the foil can be inserted into an optionally available additional installation frame.



Standard-compliant Blower Door Measurement

Fully automatic measuring procedure according to DIN EN ISO 9972 or DIN EN 13829 in the entire volume flow range from 15 m³/h to 6000 m³/h without changing the orifice plate and measuring overpressure and vacuum without fan conversion.

✂ Application

- ▶ Fully automatic Blower Door measurement
- ▶ Determine airtightness of building envelopes according to DIN EN ISO 9972/DIN EN 13829
- ▶ Search for leaks in building envelope

⚙ Functionality

- ▶ New setup concept for doors and windows – user-friendly handling
- ▶ Fully automatic performance of measurement series according to DIN EN ISO 9972/DIN EN 13829
- ▶ Perform series of negative and positive pressure measurements at one push of the button, without turning around the blower fan
- ▶ Search for leaks using intuitive direct control elements on the device
- ▶ Data transmission to mobile device via Wireless LAN
- ▶ Large flow range 15 to 6000 m³/h without additional orifices
- ▶ Multiple device mode, including display of overall result

📶 Data transmission/management

- ▶ Data transmission to app by Wireless LAN
- ▶ Store all customer and measurement data in the app
- ▶ IR interface for printer

Technical Data

| | | |
|---------------------------------------|-----------------------------|--|
| Differential pressure | Measurement range | -100...100 Pa |
| | Resolution, display | 0.1 Pa |
| | Accuracy | Max of 0.25 Pa or 1% of. meas. |
| Air flow rate at 50 Pa (extrapolated) | Measurement range | 15...6,000 m ³ /h |
| | Resolution, display | 0.1 m ³ /h |
| Air temperature | Measurement range | -20...50 °C |
| | Resolution, display | 0.1 °C |
| | Accuracy | ±0.5 °C |
| Absolute pressure | Measurement range | 300...1.200 hPa |
| | Resolution, display | 0.1 hPa |
| | Accuracy | ±2 hPa |
| App | Supported operating systems | Android (from 4.0.3) iOS (from 6.1) Windows 10 Universal apps (phone, tablet, desktop) |
| | Other min. requirements | Wireless LAN |





Wöhler BC 600 APP

Instead of a heavy control unit, all you need is your smartphone or tablet. This allows you to control all measurements with the Wöhler BC 600, regardless of whether you are using a device with Android, iOS or Windows 10 operating system. You can then send the test report conveniently by e-mail or Messenger service from the app.



All measured values are clearly displayed. Measurement of air temperature and relative humidity are integrated.



The measured values are displayed in a clearly structured graph.



The Wöhler BC 600 automatically performs the complete series of measurements according to DIN EN ISO 9972/DIN EN 13829.

- ▶ Cross-platform – Android, iOS and Windows 10 compatible
- ▶ Free app, no software to purchase
- ▶ Measurement sequence complies with currently valid standards
- ▶ Test report and certificate created in accordance to DIN EN ISO 9972/DIN EN 13829
- ▶ Always up to date – fast, easy updates
- ▶ Windows 10 Universal app for Windows PC or laptop



Product features

Article no.

5600 J

Application

Wöhler BC 600 Blower Check

| | |
|------------------|---|
| Blower Door Test | • |
| Search for leaks | • |




Measured values

| | |
|-----------------------|---|
| Differential pressure | • |
| Absolute pressure | • |
| Volume flow | • |
| Temperature | • |
| Air humidity | • |

Instrument technology

| | |
|-----------------------------------|---|
| IR interface to printer | • |
| Wireless LAN | • |
| App (Android, iOS and Windows 10) | • |

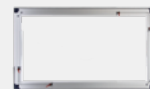
• = included

| | |
|--|--|
| <p>Simple test setup Step 1 Attach cloth panel to the fan unit.</p> |  |
| <p>Simple test setup Step 2 Clamp telescopic bar of the fan unit into the window or door frame.</p> |  |
| <p>Simple test setup Step 3 Fix cloth panel with special camps to the window or door frame.</p> |  |

Basic set

| | | Wöhler BC 600 Blower Check |
|-------------------|------------------------------|---------------------------------------|
| Scope of delivery | Wöhler BC 600 Blower Check | • |
| | 2 capillary hoses | • |
| | 18 clamps 220 mm | • |
| | 4 clamps 120 mm | • |
| | Plastic case | • |
| | Telescopic rod | • |
| | Sealing canvas 1,55 x 2,60 m | • |
| | Cover hood | • |
| | Connection cable 2,5 m | • |
| | Transport bag | • |
| Article no. | | 5600 J |

Accessory sets



| | | Professional Sealing set | Door Frame | Door & Window Frame |
|-------------------|--|-------------------------------------|--|--|
| | | | Min. space for installation: 0.80 x 1.35 m (W x H) Max. space for installation: 1.25 x 2.30 m (W x H) | Min. space for installation: 0.80 x 0.90 m (W x H) Max. space for installation: 1.25 x 2.30 m (W x H) |
| Scope of delivery | Sealing plug, 2 x (for wastewater pipes Ø 40 / 70 / 125 / 160 mm) | • | | |
| | Sealing plug, 4 x (50 / 110 mm) | • | | |
| | Sealing bladder set, 2 x (70 – 150 mm) | • | | |
| | Sealing tape, 2 rolls (transparent 50 m and fabric reinforced 66 m) | • | | |
| | Valve set | • | | |
| | Air pump with various adapters | • | | |
| | Case | • | | |
| | 4 frames 675 mm | | • | • |
| | 4 frames 775 mm | | | • |
| | 4 frames 1.200 mm | | • | • |
| Carrying bag | | • | • | |
| Article no. | | 4810 J | 5675 J | 5671 J |

• = included

Order Form

| Product | Article no. | Qty. |
|----------------------------|-------------|------|
| Wöhler BC 600 Blower Check | 5600 J | |
| Professional Sealing set | 4810 J | |
| Door Frame | 5675 J | |
| Door & Window Frame | 5671 J | |
| | | |
| | | |
| | | |
| | | |
| | | |

| Billing address/customer | | Delivery address (if different to billing address) | |
|--------------------------|---|--|-------|
| Company | _____ | Company | _____ |
| Name | _____ | Name | _____ |
| Street/house no. | _____ | Street/house no. | _____ |
| ZIP code/City | _____ | ZIP code/City | _____ |
| Country | _____ | Country | _____ |
| Telephone | _____ | Fax | _____ |
| Mobile | _____ | E-Mail | _____ |
| Customer number | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | | |
| Date | _____ | Signature or company stamp | _____ |

WÖHLER

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| Your contact |
|--------------|
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