





For testing COVID19 masks as part of the wearing simulation tests EN 149 p. 8.3.1

content test of

The test bench is designed for testing personal protective equipment in order to determine the carbon dioxide content in the «inhaled» air.

tent test of the

inserthing resistance

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SPEED

- High speed of the required mode entering by all parameters up to 15 minutes.
- High productivity, break between subsequent tests up to 10 minutes.



TESTING

Testing program.Wide variety of testing programs.



MOBILITY

- Test bench mobility. Low weight and a roller stand make it easy to move the test bench when needed.
- Unique weight and dimensional parameters. Does not require additional and special room.



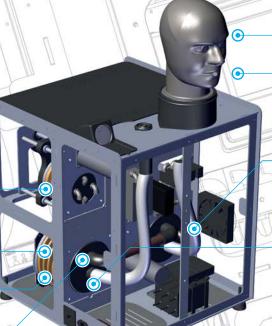
AUTOMATION

- High level of automation.
 All control is performed using laptop and touch-screen.
- ► Recording of all required test parameters in a database for subsequent analysis. Automatic.



COST-EFFECTIVENESS

- Low cost of ownership combined with affordable service, modular and scheduled replacement of spare parts
 The test bench automatically reports its
 - The test bench automatically reports its malfunctions and scheduled work, thus downtime is significantly reduced.
- Autonomous operation doesn't require permanent presence of a person.
 Saves operator working time.
- Ease of use of the test bench.
 Highly qualified personnel are not required.



Exhalation temperature

• from 36,5 to 37,5 °C

Exhalation relative humidity

▶ from 95% to 100%

Carbon dioxide volume fraction at the exhalation

▶ from 0 to 5%

Duration ratio of the of inspiratory and expiratory phases*

1

* Customizable ratio of the duration of inspiratory/expiratory phases as per customer requirements.

► from 0,5 to 3,5 dm³ Lung ventilation

Respiration depth

Respiration frequency

from 1 to 40 min⁻¹

Volume flow rate of carbon dioxide

► from 0 to 6 dm³/min

rom 5 to 100 dm³/min

Dimensions

height:width:length:	750 mm 510 mm 580 mm
Weight	no more than 49 kg
Power supply	220 V 50 Hz
Power consumption	no more than 2.5 kW
Test ready time after power on	no more than 15 min

Dioxide test bench meets the requirements of the following standards:

ANSI 110-2009, AS/NZS 1716:2012, BS 4667-2:1974, BS 4667-3:1974, BS 8468-2:2006, DIN 58647-7:1997, EN 136:1998, EN 137:2006, EN 138:1994, EN 140:1998, EN 142:2002, EN 145:1997, EN 149:2001+A1:2009, EN 269:1994, EN 402:2003, EN 403:2004, EN 404:2005, EN 405:2001, EN 1061:1996, EN 1146:2005, EN 1827:1999, EN 12491:1998, EN 12492:1998, EN 13274-3:2001, EN 13274-6:2001, EN 13274-8:2002, EN 13794:2002, EN 14143:2003, EN 14593-1:2005, EN 14593-2:2005, EN 14594:2018, ISO 23269-1:2008, ISO 23269-2:2011

FIELDS OF APPLICATION







Developers and manufacturers of the RPE



Certification centers and laboratories