

## Labtec PRO

### Fully automatic universal testing device



#### Description

Modular, respiratory protection test stand with additional manual operation, redundant analog measurement technology, multifunction test head and artificial lung for fully automatic testing of breathing masks according to DIN EN 136, self-contained breathing apparatus (SCBA) according to DIN EN 137 and chemical protective suits (CPS) according to DIN EN 943-1.

The test / measuring volume is 480 ml.

#### Testing possibilities

##### Breathing Masks / Demand Valves / CPS

- Tightness tests in negative and positive pressure
- Tightness test dosing valve
- Opening pressure of the exhalation valve
- Response pressure at up to 10 l/min
- Static overpressure
- Inhalation and exhalation resistance while breathing

##### SCBA / SCUBA (optional)

- High pressure leakage test
- Pressure gauge comparison
- Safety valve opening/closing pressure
- Warning signal test
- Static Medium pressure
- Medium-pressure leakage
- Dynamic Medium pressure dynamic while breathing

#### Equipment and function

Including network-compatible test software Lab-Net Profi for operating the test stand with a Windows® PC, connection via USB interface.

Fixed head, exchangeable from the outside and covered with a natural rubber skin, additionally electrically inflatable via a pump for problem-free sealing of all masks, regardless of manufacturer.

Integrated operating and display panel with digital OLED display and membrane keyboard for manual operation and display of measured values.

High precision pressure sensors for low, medium and high pressure with an accuracy of 0.5%.

Additional, analog measurement technology as redundancy for the most reliable measurement results.

Artificial lung adjustable via the software for breath testing of masks, lung machines and pressure regulators.

Built-in pressure/vacuum pump for generating an air flow of up to  $\pm 10$  l/min and positive and negative pressure testing for masks, demand valves and CPS.

Integrated microphone for testing the acoustic warning device.

HP screw connection 6S according to DIN 2353 / EN ISO 8434-1 as high pressure inlet.

Front 300 bar device connection socket for connecting the PA pressure reducer.

EURO coupling and nipple for adaptation of the medium pressure connections of regulators and regulators

Separate quick coupling with silencer for system ventilation and connection of the CPS filling line.

#### Labtec PRO

**Art.-No. 180 150**



**Technical data**

Power supply: 230 V AC / 50 Hz  
 Total power: max. 450 W  
 Dimensions: W 670 x H 510 x D 540 cm  
 Protection class: IP54  
 Weight: approx. 45 kg




**Accessories included in delivery**

Power and USB connection cable  
 Audio cable  
 Silicone care spray  
 Software LabNet Profi  
 Operating instructions  
 High-Pressure connection set

**Modular options - Supplementary equipment to the basic unit**

<p><b>Option R (Regler)</b>                  External high-pressure regulator 0 to 330 bar mounted on the front for variable adjustment of the high pressure.  <b>Art.-No. 180 030</b>                  (with factory retrofitting Art.-No. 185 030)</p>	
<p><b>Option COM (AiO-PC)</b>                  Freely positionable touchscreen PC, connected to test device via swivel arm mounting, incl. pre-installed LabNet Profi test software.  <b>Art.-No. 180 080</b>                  (with factory retrofitting Art.-No. 185 080)</p>	

**Optional accessories**

<p><b>Adapters and connection accessories</b>                  Test adapters and sealing caps with screw connections, ESA plug-in connections according to DIN 58600 or with manufacturer-dependent connections for normal and positive pressure devices, breathing adapters for mask simulation during breathing tests of demand valves, CPS adapter sets, hose extensions etc.</p>	
<p><b>Barcode and transponder identification systems</b>                  Wired handheld scanners and radio scanners for barcodes (1D) and QR codes (2D)                  Printer for printing barcode labels directly from the software                  RFID readers for transponders with 125 kHz, 134.2 kHz and 13.56 MHz.</p>	
<p><b>HMC Mountings</b>                  Retrofittable holder and attachment for special masks of helmet-mask combinations of the helmet manufacturers Gallet, Rosenbauer and Schubert (assembly by the Labtec service required).</p>	
<p><b>Quick clamping devices</b>                  Manually or pneumatically operated quick clamping device for adapting compressed air breathing apparatus to the device connection socket of the test device within seconds.</p>	