

Labtec ECO

Modular testing device



Description

Modular, respiratory protection test stand with multifunction test head for 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.

Two selectable versions:

- static** - without artificial lung
(can be retrofitted at any time)
- dynamic** - with artificial lung

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

SCBA / SCUBA (optional)

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

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.

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

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

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.

Additional function ECO dynamic

Artificial lung adjustable via the software for testing

- Dynamic Medium pressure dynamic while breathing
- Inhalation and exhalation resistance while breathing

on breathing masks, demand valves and SCBA.

Labtec ECO static

Art.-No. 170 200

Labtec ECO dynamic

Art.-No. 170 100

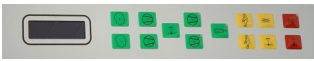
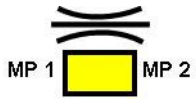

Technical data

Power supply: 230 V AC / 50 Hz
Total power: max. 450 W
Dimensions: W 500 x H 630 x D 540 cm
Protection Class: IP54
Weight: ca. 39 / 41 kg


Accessories included in delivery

Power and USB connection cable
Silicone care spray
Software LabNet Profi
Operating instructions
HP connection set (only w/ ECO dynamic)




Modular options - Supplementary equipment to the basic unit

<p>T (Terminal) Control and LED display panel for additional manual operation of the Labtec ECO series Art.-NO. 170 050 (with factory retrofitting Art.-No. 175 050)</p>	
<p>SI (Safety Valve Testing) System component and assembly for automatic medium pressure increase for safety valve tests of pressure regulators Art.-Nr. 170 060 (with factory retrofitting Art.-No. 175 060)</p>	
<p>COM (AiO-PC) Freely positionable touchscreen PC, connected to test device via swivel arm mounting, incl. pre-installed LabNet Profi test software. Art.-Nr. 170 080 (with factory retrofitting Art.-No. 175 080)</p>	

Retrofit kit - subsequent extension to ECO dynamic

<p>Upgrade-Kit Labtec ECO UP-dynamic Factory conversion from Labtec ECO static to dynamic version by retrofitting the artificial lung, including valves, control system and processor and firmware update. Art.-No. 175100</p>	
--	---

Optional accessories

<p>Adapters and connection accessories 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>Barcode and transponder identification systems 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>HMC Mountings 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>	

Labtec Gesellschaft für
Labortechnik mbH
Meckesheimer Straße 2
D-74927 Eschelbronn

Tel: +49(0)6226-1587300
Fax: +49(0)6226-1587310
E-Mail: info@labtec.de
Internet: www.labtec.de