

Labtec COMPACT

Modular compact test equipment



COMPACT S

- + Fully automatic testing of masks
- + Demand valve leak test without medium pressure monitoring

upgradeable
at any time

COMPACT M

- + Fully automatic testing of masks
- + Fully automatic testing of demand valves with medium pressure monitoring
- + Fully automatic testing of chemical protective suits



upgradeable
at any time

COMPACT L



- + Fully automatic testing of masks
- + Fully automatic testing of demand valves with medium pressure monitoring
- + Fully automatic testing of chemical protective suits
- + Fully automatic testing of compressed air breathing apparatus (SCBA) at low, medium and high pressure (static tests without breathing)

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Description

Compact Modular, respiratory protection test systems with multifunction test head for automatic testing of breathing masks according to DIN EN 136, self-contained breathing apparatus (SCBA / only with COMPACT L) according to DIN EN 137 and chemical protective suits (CPS / only with COMPACT M & L) according to DIN EN 943-1. The test / measuring volume is 400 ml.

Testing possibilities

COMPACT S

Breathing Masks

- Leak tests in negative and positive pressure
- Opening pressure of the exhalation valve

Demand Valves

- Leak tests in negative and positive pressure without medium pressure monitoring

For COMPACT M and L additionally

Demand Valves

- Leak tests in negative and positive pressure with upstream pressure monitoring
- Leak test dosing valve
- Opening pressure of the exhalation valve
- Response pressure at up to 10 l/min
- Static overpressure

Chemical Protective Suits (CPS)

- Suit tightness tests
- Valve tightness tests

With COMPACT L additionally

SCBA

- High pressure leakage test
- Pressure gauge comparison
- Warning signal test
- Static Medium pressure
- Medium-pressure leakage

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 with an accuracy of 0.5%.

Optional operating and display panel with digital OLED display and membrane keypad for manual operation and display of measured values.

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.

For COMPACT M and L additionally

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.

With COMPACT L additionally

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.

Labtec COMPACT S
Art.-No. 125200

Labtec COMPACT M
Art.-No. 125240

Labtec COMPACT L
Art.-No. 125400

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Modular compact test equipment

Technical data

Power supply: 230 V AC / 50 Hz
Total power: max. 100/200/230 W
Dimensions: W 460 x H 490 x D 500 mm
Protection class: IP54
Weight: approx. 18/21/26 kg

Accessories included in delivery

Power and USB connection cable
Silicone care spray
Software LabNet Profi
Operating instructions

Modular options - Supplementary equipment to the basic unit

T (Terminal)

Control and OLED display panel for additional manual operation of the Labtec COMPACT series

Art.-No. 125012 (S) / 125014 (M) / 125010 (L)

(with factory retrofitting Art.-No. 122012/122014/122010)



COM (AiO-PC)

Freely positionable touchscreen PC, connected to test device via swivel arm mounting, incl. pre-installed LabNet Profi test software.

Art.-No. 125055

(with factory retrofitting Art.-No. 122055)



Optional accessories

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.



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.



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).



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