# REMS P7-TDX C

Electronic pressure and leakage testing device with Connected functionality

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| Compact, robust electronic pressure and leakage testing device with Connected functionality via Bluetooth or USB. With internal compressed air pump ≤ 150 hPa/mbar. For battery and corded operation. |
| Pressure and leakage testing with compressed air/inert gas — p ≤ 0.4 MPa/4 bar |
| Pressure and leakage testing with water — p ≤ 2.5 MPa/25 bar |
| Usefulness testing of gas installations |
| Leakage testing of sewage pipes with compressed air — p ≤ 200 hPa/mbar |
| Individual check lists, e.g. general visual inspection, house show |
| For a wide range of accessories, see pages 138–139. |


**REMS P7-TDX C – for all common tests in gas, liquid gas and water installation. Ultra stable plastic housing with soft grip. Efficient usefulness testing by comparative leakage method.**

## Universal use

Just **one** device for pressure and leakage testing with compressed air/inert gas or water, e.g. drinking water installations, radiator and area heating systems, gas and liquid gas installations. For usefulness testing of gas installations, leakage testing of sewage pipes with compressed air, long-term pressure testing ≤ 48 h, testing of pressure controllers. Also for differential pressure testing ≤ 2 MPa/20 bar.

## Design

Compact, robust electronic pressure and leakage testing device, handy and light, measuring instrument only 1.1 kg. Ultra sturdy, impact-resistant plastic housing with soft grip and ergonomically shaped handle. Internal compressed air pump for leakage testing ≤ 150 hPa/mbar. Internal electronic pressure sensor ≤ 0,35 MPa/3.5 bar. Plug coupling DN 3 (plug) P+ and P- for pressure hose P7, Ø 5 mm, e.g. for usefulness testing, differential pressure measurement or for compressed air hose P7, ≤ 150 hPa/mbar, Ø 6 mm, e.g. for leakage testing with compressed air. Plug coupling DN 3 (plug) as air input for internal compressed air pump or gas outlet for comparative measurement in usefulness testing. Plug coupling DN 5 (plug) for compressed air hose P7, Ø 6 mm,e.g. for pressure testing with compressed air ≤ 0.35 MPa/3.5 bar. 4 jacks for connecting electronic pressure sensors/temperature sensors. IR interface for connecting a printer. Bluetooth interface for connecting to a mobile terminating device. Mini-USB connector for direct connection to PC or laptop. Connection for power supply/charger 100–240 V for mains operation or for charging the battery Ni-MH 4.8 V, 2 Ah. Magnetic housing rear for easy attachment, e.g. to boilers or other ferromagnetic materials.

## Input and control unit with 3.5" colour display

Input and control unit with 3.5" colour display with touch function and modern TFT LCD technology, 89 mm screen diagonal, 320 × 240 pixels 2 function keys, 2 navigation keys User-friendly menu guidance takes you step by step through the testing process Easy to understand operating instructions supplemented by context-related help can be displayed at the start of a function. 37 different test programs in 3 pre-installed and 13 online available languages. Date, time, automatic summer time, leakage measurement autostart, pressure sensor damping stage, screen brightness, key tones, pressure setting, calibrate touch display, info window, delete function, language and unit of pressure bar/Pa settable. Display of notices (annual inspection and periodic testing, battery state, firmware version, serial number, etc.). Download and installation of new firmware versions via PC or laptop. Switch-off in case of inactivity settable in 4 stages.

## Battery or mains operation

Measuring instrument with integrated Ni-MH 4.8 V, 2 Ah battery. Light and powerful. High energy density for approx.10 hours continuous operation. Operation on the mains is possible during the charging process. Power supply/charger 100 – 240 V, 12 W. No memory effect for maximum battery power.

## Pressure hoses, electronic pressure sensors

Pressure hose P7, Ø 5 mm for measuring gas and flow pressure or for usefulness testing. Compressed air hose P7, ≤ 150 hPa/mbar, Ø 6 mm, for leakage testing with compressed air/inert gas ≤ 150 hPa/mbar. Compressed air hose P7, Ø 6 mm, for pressure testing with compressed air/inert gas ≤ 0.35 MPa/3.5 bar. Electronic pressure sensor ≤ 0.35 MPa/3.5 bar for pressure and leakage testing with compressed air/inert gas ≤ 0.35 MPa/3.5 bar. Electronic pressure sensor ≤ 2.5 MPa/25 bar for pressure and leakage testing with compressed air/inert gas ≤ 0.4 Mpa/4 bar or with liquid ≤ 2.5 MPa/25 bar. Compact manual compressed air pump ≤ 0.4 MPa/4 bar, double-sealed for fast, accurate pressure build-up ≤ 0.4 MPa/4 bar, with connection for Schrader valve.

## Time/pressure diagram

Time/pressure diagram for recording the pressure curve over the complete testing time for easy assessment of the tightness.

German Quality Product

Info

**REMS mCon App**
Free application software from the Apple App Store or Android App at Google Play.

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with Connected functionality

## Pressure testing with compressed air

Leak testing of drinking water installations with compressed air in accordance with information leaflet "Leak testing of drinking water installations with compressed air, inert gas or water" (January 2017) of the Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), Germany
Leak testing of gas installations with compressed air in accordance with the Technical Rule "DVGW-TRGI 2018, Technical Rules for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW)
Leak testing of liquid gas installations with compressed air in accordance with Technical Rule "DVGW-TRF 2021, Technical Rules Liquid Gas" of the German Gas and Water Association (DVGW) (DVGW-TRF 2021)
Leak testing of other pipe systems and vessels with compressed air/inert gas
Load testing of drinking water installations with compressed air in accordance with information leaflet "Leak testing of drinking water installations with compressed air, inert gas or water" (January 2017) of the Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), Germany
Load testing of gas installations with compressed air in accordance with the Technical Rule of gas installations with compressed air in accordance with Technical Rule "DVGW-TRGI 2018, Technical Rules for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW)
Strength testing of liquid gas installations with compressed air in accordance with Technical Rule "DVGW-TRF 2021, Technical Rules Liquid Gas" of the German Gas and Water Association (DVGW) (DVGW-TRF 2021)
Load testing of other pipe systems and vessels with compressed air/inert gas.

## Pressure testing with water

Pressure testing of drinking water installations with water in accordance with EN 806-4:2010 Test methods A and B, modified in accordance with information leaflet "Leak testing of drinking water installations with compressed air, inert gas or water" (January 2017) of the Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), Germany
Pressure testing of drinking water installations with water, press fitting connections (unpressed leaking) in accordance with information leaflet "Leak testing of drinking water installations with compressed air, inert gas or water" (January 2017) of the Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), Germany
Leak testing of other pipe systems with water/liquid

## Usefulness testing of gas installations

Efficient, simple usefulness testing by comparative leakage method, without dismantling the gas meter, without volume determination and without increasing pressure.
Usefulness testing of gas installations in accordance with the Technical Rule "DVGW-TRGI 2018, Technical Rules for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW). DVGW-certified, register number **DG4805BS0029.**

## Other functions/applications

See product comparison page 137.

## Logging

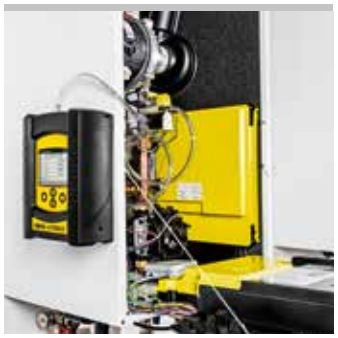
Results of the measuring and test programs are saved with date, time and log number in the selected language and can be printed, stored or sent for documentation. Printer with Bluetooth or IR interface for direct log printing, as an accessory. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone).

## Connected-functionality via Bluetooth with REMS mCon App

If a mobile terminating device is connected via Bluetooth, many different functions are available with the REMS mCon app. For functions/applications, see page 137.

## Connected functionality via USB with REMS PC-Software PC200P

If a PC or laptop is connected via USB, many different functions are available with the REMS PC-Software PC200P. For functions/applications, see page 137.



## Supply format

**REMS P7-TDX C Set 3.5 bar.** Electronic pressure and leakage testing device with Connected functionality via Bluetooth or USB. For the usefulness testing of gas installations, for the pressure and leakage testing of pipe systems and vessels ≤ 2.5 MPa/25 bar. With internal compressed air pump ≤ 150 hPa/mbar, internal electronic pressure sensor ≤ 0.35 MPa/3.5 bar, 2 pressure hoses P7, Ø 5 mm, transparent, 1 m long, with plug coupling DN 3 (socket) and silicone tubing, compressed air hose P7, ≤ 150 hPa/mbar, Ø 6 mm, transparent, 2 m long, with plug coupling DN 3 (socket) and quick coupling DN 5 (plug), compressed air hose P7, Ø 6 mm, 2 m long, with quick coupling DN 5 (plug, socket), air pump connection piece with Schrader valve, ≤ 0.4 MPa/4 bar, adapter quick coupling DN 5 to R ½" AG, manual compressed air pump ≤ 0.4 MPa/4 bar. Power supply/charger 100 – 240 V, 50 – 60 Hz, 12 W. Cable Mini-USB to USB-A. In L-Boxx system case.

| | Art.-No. | KM |
|---|---|---|
| | 611065R220 | **4.920,00** |

## Supply format

**REMS P7-TDX C Set 25 bar.** Same as REMS P7-TDX C Set 3.5 bar, Art.-No. 611065, but additionally with electronic pressure sensor ≤ 2.5 MPa/25 bar.

| | Art.-No. | KM |
|---|---|---|
| | 611070R220 | **5.550,00** |

Accessories

| Description |
|---|
| **For functions/applications**, see page 137 |
| **For accessories**, see page 138 – 139 |