



Dräger P7-TD Pressure, Leak and Leak Rate Measurement

The Dräger P7-TD measures leak rates at top speeds – without removing the gas meter, without determining the volume and without pressure boosting. This allrounder carries out measurements on gas lines up to 0.1 MPa (1 bar), including water pipeline measurements using the external high pressure sensor.



Product advantages

Various applications

- Serviceability according to TRGI 2018
 - Leak testing with air on gas, liquefied petroleum gas and drinking water installations according to DVGW TRGI 2018, Bulletin ZVSHK
 - Leak testing with arbitrary pressure ranges, setting time and test time
 - Load test with air per DVGW TRGI 2018, bulletin ZVSHK
 - Drinking water system testing with water per DIN EN 806 with external high pressure sensor
 - Pressure and leak tests to 0.1 MPa (1 bar). Accuracy class 1 external high pressure sensors available for pressure and leak testing up to 2.5 MPa (25 bar).
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Serviceability testing according to DVGW TRGI 2018

The Dräger P7-TD measures leak rates at top speeds – without removing the gas meter, without determining the volume and without pressure boosting. Merely connect the single hose connection to the gas fitting to start measuring. The auto-start option is an important tool for leaks in small systems with a rapid pressure drop.

Testing gas and water pipelines

Versatile, quick and professional: In addition to the testing of gas pipelines, the Dräger P7-TD is also able to conduct measurements on water pipelines as well as pressure measurements of up to 0.1 MPa (1 bar) with air. An external 25 bar (2.5 MPa) sensor is available for water testing. For load testing with air up to 0.3 MPa (3 bar), the external 3.5 bar sensor (0.35 MPa) or the 25 bar sensor (2.5 MPa) is available.

Built-in help function

The built-in operating instructions provide answers to questions concerning the device's operation, these come in the form of instructions, recommended solutions, and further information.

Bluetooth

The Dräger P7-TD is equipped with Bluetooth LE as standard.

Shock and impact proof housing

The device features a shock and impact resistant housing which is reliable, even under challenging conditions.

Documentation

Measurements can be documented on site via IR printer or, if necessary, linked to customer or system data and the company logo and company address added via measurement report templates. The PC software with complete customer data management including import and export functions offers great user convenience.

Your office-on-the-go with the Dräger mCon app

The app ensures ultimate mobility and instant access to all current measurement data. All data is transmitted straight from the measuring device to a smartphone or tablet via Bluetooth. Measurement reports with the company logo and data are available as pdf files and can be sent by e-mail.



iOS



Android

Accessories



Pressure hose for burner, 1.0 m PVC hose

For measuring gas and flow pressure



High pressure gas distributor, max. 30 bar



High pressure hose, max. 30 bar



Low pressure hose, max. 0.5 bar

Accessories



Pump hose, max. 10 bar



1/2" adapter, max. 30 bar



Pump adapter 10 bar with automatic valve connection



Pressure sensor EP35 with automatic valve connection

Accessories

5600877



Pressure sensor EP250

5600842



Single tube meter cap

gerätekoffer-heavy-p7-pph-5600968



Device case Heavy P7 series

handpumpe-pph-5600880



Manual pump

Accessories



MSI IR3 infrared printer

Instantly documents all values and results

Related product groups



Dräger P7-TDX

The P7-TDX is ideal for testing gas lines and drinking water pipelines as well as for pressure testing up to 0.3 MPa (3 bar). With the optional external high pressure sensor, pressure measurements to 2.5 MPa (25 bar) can be carried out. Leak rate measurement is done by the P7-TDX in record time. Leak pretest / leak rate measurement on systems > 300 l are done with the P7-TDX. Other functions include ambient pressure and temperature-corrected longterm measurements and the pressure monitor to track abnormal pressure flows.

Technical Data

Certification	The serviceability test is certified according to DVGW G 5952. Registration number: DG-4805BS0029
Display	Colour display with touch screen
Interface	USB for PC connection, infrared for printer
Power supply	Battery: NiMH, 4.8 V / 2,000 mAh; Power adapter: 12 V DC / 0.8 A
Operating time	up to 10 h
Operating temperature	+ 5°C... + 40°C
Storage temperature	- 20°C... + 50°C
Air pressure	800... 1,100 hPa
Humidity	10 - 90 % RH non-condensing
Dimensions	approx. 145 x 195 x 75 mm (w x h x d)
Weight	approx. 1.000 g

Display	Measuring range	Resolution	Accuracy		Max. pressure overload
Micro-pressure	- 10 ... + 100 hPa	0.01 hPa	0 ... + 100 hPa:	± 0.5 hPa or 1 % of MV ¹	750 hPa
Fine pressure II	- 15 ... + 160 hPa	0.1 hPa	- 10 ... + 160 hPa	± 0.5 hPa or 5 % of MV ²	750 hPa
Pressure	- 200 ... + 1,200 hPa	1 hPa	- 200 ... + 1,200 hPa	$\leq \pm 1$ % of MR ²	3,000 hPa
Pressure (ext. sensor, optional; air / gas)	- 100 ... + 3,500 hPa	1 hPa	- 100 ... + 3,500 hPa	$\leq \pm 1$ % v. MR ²	4,000 hPa
High pressure (ext. Sensor, optional; air / gas)	0.1 ... 2.5 bar	0.001 MPa	0.01 ... 2.5 bars	1 % of MR ²	35,000 hPa

¹ = Measurement value

Serviceability test*	Measuring range	Resolution
Leak rate	0 ... 10 l/h	0.01 L
Volume	1 ... 300 L	0.1 L
Gas types	Natural gas, air	

Order information

Accessories

MSI IR3 infrared printer	56 00 401
Printer paper, packing unit 5 rolls	56 90 151

Measurement packages

P7-TD Basis-Set Dräger P7-TD, Adapter, USB-cable, Bluetooth, 2 burner pressure hose, low pressure hose, high pressure hose, pump adapter 10 bar, 1/2" adapter, manual pump, PC software*, case	56 03 092
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*Software available for download at www.draeger-msi.de.

Notes

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