



Dräger P7-TDX Pressure, Leak and Leak Rate Measurement

The professional device Dräger P7-TDX performs leak rate measurements at top speeds – without removing the gas meter, without determining the volume and without pressure boosting. Gas and liquefied petroleum gas lines can be measured up to 0.3 MPa (3 bar), and this all-rounder even measures water and waste water lines and tests regulators.



Product advantages

Various applications

- Leak test according to TRGI 2018
 - Leak testing with air on gas, liquefied petroleum gas and drinking water systems according to DVGW TRGI 2018, TRF 2012, bulletin ZVSHK
 - Leak testing for waste water lines per DIN 1610 und DIN 1986-30
 - Leak testing with arbitrary pressure ranges, setting time and test time
 - Loading test with air per DVGW TRGI 2018, TRF 2012, bulletin ZVSHK
 - Drinking water system testing with water per DIN EN 806 with external high pressure sensor
 - Regulator testing
 - Pressure- and leak testing up to 0,3 MPa. Accuracy class 1 external high pressure sensors available for pressure and leak testing up to 2.5 MPa.
-

Suitability for use per DVGW TRGI 2018

The Dräger P7-TD operates the leak rate measurements in best time - without removing the gas meter, without determining the volume and without pressure boosting. You only need to connect the single pipe connection with the gas valve for starting the measurement. A shiftable automatic start offers an important help for leaks at smaller plants with fast decrease of pressure.

Testing gas, liquefied petroleum gas and water lines

Versatile, quick and professional: In addition to testing gas and liquefied petroleum gas lines, the Dräger P7-TDX will also test water, waste water lines, regulators and pressure measurements up to 3 bar with air. Tests with water can be performed with an external sensor up 2.5 MPa.

Leak rate measurement at plants with large volume

The Dräger P7-TDX can also perform leak rate measurements at plants > 300 l.

Leak pretest

If there is no suitability for use and official result needed the Dräger P7-TDX can also operate a shortened pretest. In this case the leak rate will be determined.

Pressure monitor for monitoring of unusual pressure gradients

In the case of unusual pressure fluctuations of a plant the Dräger P7-TDX can measure and monitor it over a longer period. For this all pressure fluctuations which exceed freely adjustable limits, will be recorded for an evaluation.

Longterm measurements up to 48 hours

The Dräger P7-TDX is equipped with a precision pressure measurement process including temperature- and absolute pressure measurement, which provides testing times from 1 minute to 48 hours.

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, suggested solutions and additional information.

Product advantages

Bluetooth

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

Shock and impact proof housing

The device features a shock and impact resistant housing which won't let you down, even in rough 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 customer data management including import and export functions is considerably easier to use.

Access measurements anywhere, any time with the app Dräger mCon*

The app ensures ultimate mobility and instant access to all current measurement data. All data is transmitted straight from the analyser to a smartphone or tablet via Bluetooth and is immediately available as a remote display. Measurements can be saved and sent by e-mail.

***App Dräger mCon on request.**

Accessory



Gas pressure hose, 1.0 m PVC hose

For measuring gas and flow pressures



High pressure gas distributor, max. 30 bar



High pressure hose, max. 30 barr



Low pressure hose, max. 0.5 bar

Accessory



Pump hose, max. 10 bar



1/2" adapter, max. 30 bar



Pump adapter 10 bar with quick coupling



Pressure sensor EP35 with quick coupling

Accessory

5600877



Pressure sensor EP250

5600942



Single pipe cover

gerätekoffer-heavy-p7-prph-5600968



Equipment case Heavy P7-series

5600880



Hand pump

Accessory



5800401

Infrared Printer MSI IR3

Instantly documents all values and results

Related product groups



Dräger P7-TD

The Dräger P7-TD is the right partner for tests at gas pipes and pressure measurements up to 0.1 MPa. In addition the device can perform water line tests or pressure measurements up to 2.5 MPa with an external sensor (option). The leak rate measurement is provided in best time.

Technical Data

Approval	Suitability for use: certified according to DVGW G 5952, registry number: DG-4805BS0029
Display	Colour touch screen
Interface	USB for PC interface, infrared for printer
Power Supply	Rechargeable battery: NiMH, 4.8 V / 2,000 mAh; Power adapter: 12 V DC / 0.8 A
Operating time	+ 5 °C ... + 40 °C
Storage temperature	- 20 °C ... + 50 °C
Air pressure	800 ... 1,100 hPa
Humidity	10 - 90 % RH non-condensating
Dimensions	Approx. 145 x 195 x 75 mm (wxhxd)
Weight	Approx. 1000 g

Display	Measuring Range	Resolution	Accuracy	Max. gauge pressure
Micro-pressure	- 100 ... + 500 Pa	0.1 Pa	- 50 ... + 250 Pa: ± 2 Pa or 5 % of MV ¹	750 hPa
Fine pressure I	- 10 ... + 100 hPa	0.01 hPa	0 ... + 100 hPa: ± 0,5 hPa or 1 % of MV ¹	750 hPa
Fine pressure II	- 15 ... + 160 mbar	0.1 hPa	- 15 ... + 160 hPa: ± 0.5 hPa or 5 % of MV ¹	750 hPa
Pressure	- 200 ... + 3,500 hPa	1 mbar	- 200 ... + 3,500 mbar: 1 % of MR ²	5,000 mbar
Pressure (ext. sensor, option; air/gas)	- 100 ... + 3,500 mbar	1 hPa	- 100 ... + 3,500 hPa: 1 % of Mr ²	4,000 hPa
High pressure (ext. sensor, option)	0 ... 25,000 hPa	10 hPa	0 ... + 25,000 hPa: 1 % of MR ²	35,000 hPa

¹ = Measuring

² = Measuring Range

Suitability for use*	Measuring Range	Resolution
Leak rate	0 ... 10 l/h	0.01 l
Volume	1 ... 300 l	0.1 l
Gas Types	Natural gas, air	

*DVGW-certified

Suitability for use	Measuring Range	Resolution
Leak rate	0 ... 10 l/h	0.01 l
Volume	1 ... 800 l	0.1 l
Gas Types	Natural gas, air	

Order information

Accessory

Infrared printer MSI IR3	56 00 401
Printer paper, packing unit 6 rolls	56 90 151

Sets

Dräger P7-TDX Basic Set	56 03 093
Incl. Dräger P7-TDX, plug-in charger, USB cable, Bluetooth, 2 gas pressure hoses, high pressure hose, low pressure hose, pump adapter 10 bar, ½" adapter, hand pump, PC software*, case	
Dräger P7-TDX Professional Set	56 03 096
Incl. Dräger P7-TDX, plug-in charger, USB cable, Bluetooth, 2 gas pressure hoses, high pressure hose, low pressure hose, pump adapter 10 bar, ½" adapter, 25 bar pressure sensor, hand pump, PC software*, case	

*The software is available for download on www.draeger-msi.de

Dräger MSI GmbH
Rohrstraße 32
58093 Hagen, Germany

www.draeger-msi.de

CANADA

Draeger Safety Canada Ltd.
2425 Skymark Ave
Mississauga, Ontario, L4W 4Y6
Tel +1 905 821 8988
Toll-free +1 877 Dräger 1
(+1 877 372 4371)
Fax +1 905 821-2565
Toll-free Fax +1 800 329 8823

P. R. CHINA

Draeger Safety Equipment
(China) Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunyi District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
25, rue Georges Besse
92182 Antony Cedex
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20

MEXICO

Draeger Safety S.A. de C.V.
Av. Peñuelas No. 5 Bodega
No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd.
67 Ayer Rajah Crescent #06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377-9100
Fax +507 377-9130
contactcsa@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53-55
23558 Lübeck, Deutschland

www.draeger.com

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
8 Acacia Place
Notting Hill VIC 3168
Toll-free +61 1800 DRÄGER
(1800 372 437)
Fax +61 1800 64 74 84