



## Dräger P7-TD Pressure, Leak and Leak Rate Measurement

The professional device Dräger P7-TD provides the leak rate measurement in best time - without removing the gas meter, without determining the volume and without pressure boosting. Measurements at gas pipes can be operated up to 0,1 MPa (1 bar), also measurements at water lines are possible by an external high pressure sensor.



## Product advantages

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### Various applications

- Suitability for use per DVGW TRGI 2018
  - Leak testing with air on gas- and drinking water systems according to DVGW TRGI 2018, bulletin ZVSHK
  - Leak testing with arbitrary pressure ranges, setting time and test time
  - Loading test with air according to DVGW TRGI 2018, bulletin ZVSHK
  - Drinking water system testing with water per DIN EN 806 with external high pressure sensor
  - Pressure- and leak testing up to 0,1 MPa (an external high pressure sensor is available for pressure and leak testing up to 2,5 MPa. Grade accuracy 1)
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### 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.

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### Tests of gas- and water lines

Versatile, quick and professional: In addition to testing gas pipes the Dräger P7-TD will also test waste water lines and pressure measurements up to 1 bar with air. Tests with water can be operated by an external 2,5 MPa sensor. Load tests with air up to 0,3 MPa can be also provides with an external 3.5 bar (0,35 MPa) odr 25 bar (2,5 MPa) sensor.

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### 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.

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### Bluetooth

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

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### Shock and impact proof housing

The device features a shock and impact resistant housing which won't let you down, even in rough conditions

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### 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.

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### 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.**

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## Accessory



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### Gas pressure hose, 1.0 m PVC hose

For measuring gas and flow pressure



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### High pressure gas distributor, max. 30 bar



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### High pressure hose, max. 30 bar



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### Low pressure hose, max. 0.5 bar

## Accessory



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Pump hose, max. 10 bar



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1/2" adapter, max. 30 bar



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Pump adapter 10 bar with quick coupling



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Pressure sensor EP35 with quick coupling

## Accessory

5600877



Pressure sensor EP250

5600942



Single pipe cover

gerätekoffer-heavy-p7-pph-5600968



Equipment case Heavy P7-series

handpumpe-pph-5600880



Hand pump

## Accessory



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### **Infrared Printer MSI IR3**

Instantly documents all values and results

## Related product groups



### Dräger P7-TDX

The P7-TDX is the right partner for tests at gas- and drinking water pipes as well as for pressure measurements up to 0.3 MPa. In addition you can operate water line tests or pressure measurements up to 2.5 MPa (option). The leak rate measurement is provided in best time. Also the leak pretest or the leak rate measurement at plants > 300 l are possible. Further functions are long-term-measurements and a pressure monitor for the monitoring of unusual pressure gradients.

## 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	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-condensating
Dimensions	ca. 145 x 195 x 75 mm (wxhxd)
Gewicht	ca. 1.000 g

Display	Measuring Range	Resolution	Accuracy	Max. gauge pressure
Fine pressure I	- 10 ... + 100 hPa	0.01 hPa	0 ... + 100 hPa: ± 0.5 hPa or 1 % of MV <sup>1</sup>	750 hPa
Fine pressure II	- 15 ... + 160 hPa	0.1 hPa	- 10 ... + 160 hPa: ± 0.5 hPa or 5 % of MV <sup>1</sup>	750 hPa
Pressure	- 200 ... + 1,200 hPa	1 hPa	- 200 ... + 1,200 hPa: 1 % of MR <sup>2</sup>	3,000 hPa
Pressure (ext. sensor, option air / gas)	- 100 ... + 3,500 hPa	1 hPa	- 100 ... + 3,500 hPa: 1 % of MR <sup>2</sup>	4,000 hPa
High pressure (ext. sensor, option air / gas / liquids)	0.01 ... 2.5 MPa	0.001 MPa	0.01 ... 2.5 MPa: 1 % of MR <sup>2</sup>	35,000 hPa

<sup>1</sup> = Measuring Value

<sup>2</sup> = 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

## Order information

### Accessory

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

### Set

P7-TD Basic Set Incl. Dräger P7-TD, 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	56 03 092
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\*The software is available for download on [www.draeger-msi.de](http://www.draeger-msi.de)



## Notes

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