

testo 314

Unique

Efficient measurement due to absolute pressure compensation
testo 314 independently compensates fluctuations in absolute pressure during volume flow measurement via absolute pressure compensation.

Fast

Zeroing phase for connected pipe

To determine ΔP efficiently and quickly, zeroing to ambient air pressure takes place while the measurement is in progress. This eliminates interruptions and removal of pipes.

Efficient

Measuring using standard test pressure compensation with feeding unit

The flow test which is independent of gas mains, has the advantage that pressure fluctuations in pipes can be compensated. The built-in flow pressure controller (gas bubble with gas feeding unit) compensates for fluctuations. The finely adjusted value is displayed in testo 314 along with the leakage amount.

testo 314

Pressure meter with built-in printer, from 0 mbar to +1000 mbar

Part no.

0560 3140

Technical data testo 314

Pressure meas. range	0 to 1000 mbar
Resolution	0.1 mbar
Accuracy	± 0.5 mbar; $\pm 3\%$ of mv
Volume flow meas. range	0 to 8 l/h
Resolution	0.1 l/h
Accuracy	± 0.1 l/h; $\pm 5\%$ of mv
Battery life	> 5 h
Dimensions	252 x 115 x 58 mm
Weight	Approx. 728 g

The complete testing system for gas and water pipes

- Preliminary and main test on gas pipes
- Pressure drop test on water pipes (high pressure measurement up to 30 bar)
- Fast measurement of amount of gas leaking according to DVGW-TRGI '86/96 / VP 952
- Efficient detection of gas leaks using testo 316-1
- Analysis software to show course of measurement
- Serviceability test on gas pipes
- Data recording for testing pressure regulator
- Analysis with PC software

The complete testing system set for gas/water pipes

testo 314, pressure meter with built-in printer, from -1000 mbar to +1000 mbar

Mains unit 230 V/8 V/1 A for separate use of control unit

System case incl. hose set for connection to the gas pipe

testo 316-1, electronic gas leak detector with flexible measurement probe

TopSafe for testo 316, indestructible protection case incl. stand, protects from dirt and impact

Leak detection spray for spraying on gas pipe, bubbles indicate leaking points

Conical test stop 1/2" for connecting test set to the gas pipe 19–32 mm

Conical test stop 3/4" for connecting test set to the gas pipe 24–44 mm

High pressure step plug 3/8" and 3/4" for connecting test set to the gas pipe

High pressure step plug 1/2" and 1" for connecting test set to the gas pipe

Pressure release plug

Single-valve block for blocking off the pipe

Double valve branch (brass) for connecting 2 or more pipes, can be blocked off separately

Test pump for generating test pressure

Part no.

0563 3140 70



Tested according to DVGW-TRGI '86/96 / VP 952

Accessories	Part no.
testo 316-1, Electronic gas leak detector with flexible measurement probe and battery	0632 0316
TopSafe for testo 316, protection case incl. stand, protects from dirt and impact	0516 0189
Gas feeding unit for testo 314, for battery-operated measurement	0554 3142
Mains unit 230 V/ 8 V/ 1 A, for instrument (European plug), for mains operation and battery recharging	0554 1084
Hose set for connection to gas pipe with test pump and conical test plug 1/2"	0554 3141
Single-pipe counter cap, connects test fittings to pipe	0554 3156
Two-valve branch (brass) to connect 2 or more pipes, can be blocked off separately	0554 3161
Single-valve stop to block off pipe	0554 3162
LW 6 connection hose, To connect T-fitting/single-pipe counter cap or for extension purposes	0554 3158
Conical test stop 1/2" for connecting test set to the gas pipe 19–32 mm	0554 3151
Conical test stop 3/4" for connecting the test set to the gas pipe 24–44 mm	0554 3155
Conical test stop 1" to connect test fittings to gas pipe 35–65 mm	0554 3152
High pressure stage stop 3/8" and 3/4", To connect test fittings to gas pipe	0554 3163
High pressure stage stop 1/2" and 1", To connect test set to gas pipe	0554 3164
Leak detection spray for spraying on the gas pipe, shows leaking points where bubbles form	0554 3166
Spare thermal paper for printer (6 rolls)	0554 0569
Pressure set for gas pressure measurement on heating systems	0554 0449
Test pump to produce test pressure	0554 3157
Pressure release plug	0554 3171
ISO calibration certificate/flow in gases, 5 measurement points	0520 0084
System case with hose set, test pump and conical test plug 1/2"	0516 3140
Analysis software, shows measurement in form of diagrams, tables and manages customer data	0554 3332
RS232 cable, connects instrument to PC (1.8 m) for data transfer	0409 0178
High pressure probe made of stainless steel, up to 30 bar, incl. connection line	0638 1842
Pipe wrap probe for pipes with diameter of up to 2", for flow/return temp. meas. in hydronic systems	0600 4593
Quick-action surface probe with sprung thermocouple strip, measuring range short-term to +500°C	0604 0194
Cable, 1.5 m long, connects probe with plug-in head to meas. instrument	0430 0143