

Pressure measuring instrument

Your specialist for gas and water pipes

testo 314



hPa

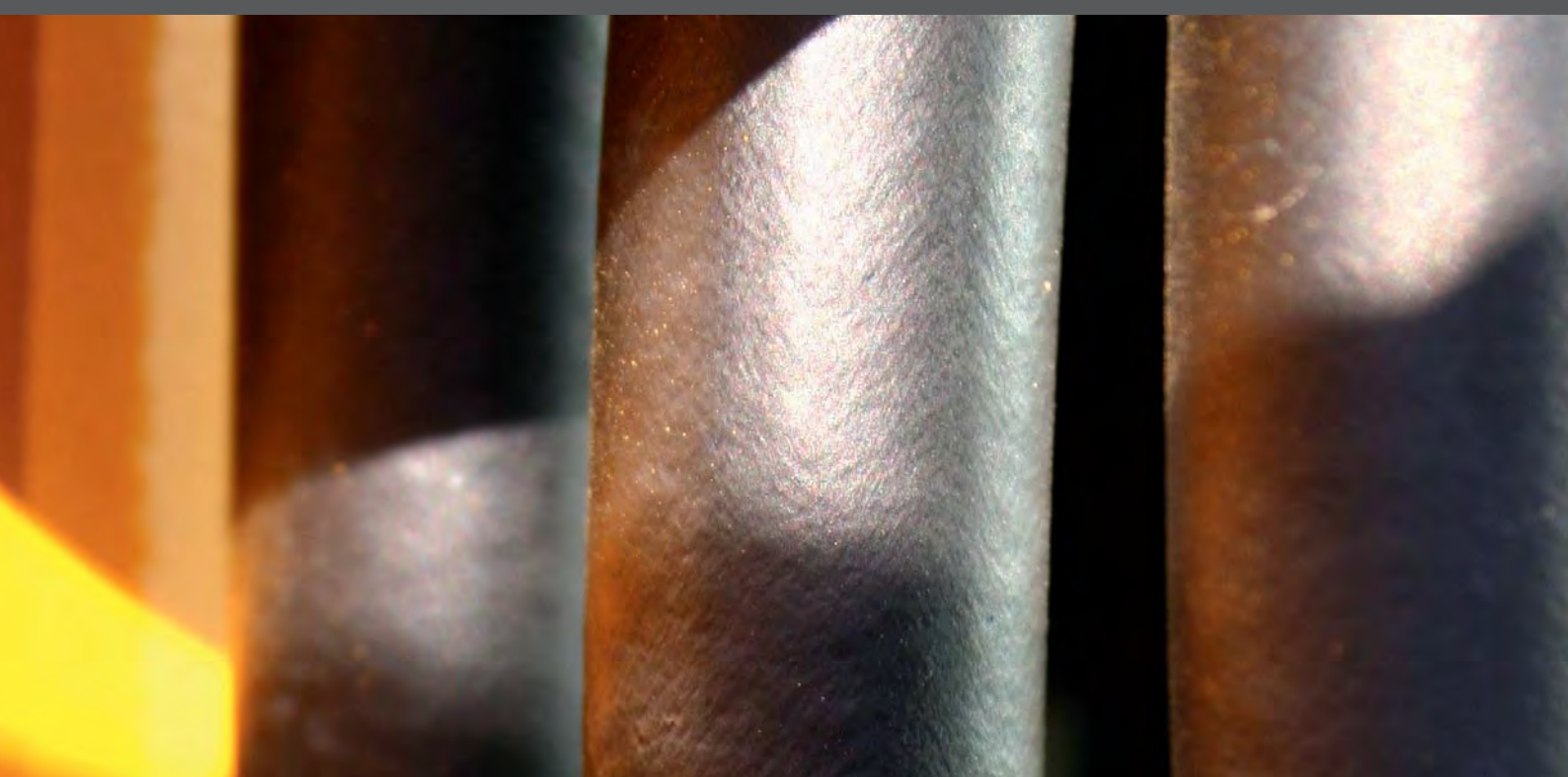
mbar

bar

psi

L/h

°C



Technical data

testo 314

testo 314 leakage measuring instrument with built-printer, -1000mbar

Part no. 0560 3140



General technical data

Pressure meas. range	0 to 1000 mbar
Resolution	0.1 mbar
Accuracy	±0.5 mbar; ±3% of mv
Volume flow meas. range	0 to 10 l/h
Resolution	0.1 l/h
Accuracy	±0.2 l/h; ±5% of mv
Battery life	> 5 h
Dimensions	252 x 115 x 58 mm
Weight	Approx. 728 g
Warranty	Instrument: 2 years (except printing mechanism) For warranty conditions check the website www.testo.com/warranty

- Load and gas-tightness test on gas pipes
- Fast measurement of amount of gas leaking according to DVGW-TRGI 2008 VP 952
- Efficient detection of gas leaks using testo 316-1
- Serviceability test on gas pipes
- Data recording for testing pressure regulator
- Analysis with PC software
- Pressure test on waste water pipes using the high pressure probe (optional)

Set testo 314

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

Mains unit 230 V/8V/1a 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

Testo 316 TopSafe; indestructible protection case, incl. stand; protects from dirt and impact

Leak detecting 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

The pressure measuring instrument testo 314 measures especially accurately, as it automatically compensates absolute pressure fluctuations in volume flow measurement. In order to be able to determine ΔP quickly and exactly, zeroing to ambient pressure takes place during continuing operation with a line connected. Interruptions and the removal of the lone are eliminated.

In through-flow tests independently of the gas network, the testo 314 compensates fluctuations in the line. The integrated flow pressure regulator (gas bladder with gas feed apparatus) compensates fluctuations. The finely adjusted value is displayed in the testo 314 parallel to the leakage quantity.

Accessories

Accessories	Part no.
Accessories for measuring instrument	
testo 316-1 electronic gas leak detector with flexible probe and battery	0632 0316
testo 316-1 TopSafe; protection case, incl. stand, protects from dirt and impact	0516 0189
testo 314 gas feeding unit for battery-operated measurement	0554 3142
Mains unit 230 V / 8V / 1 A, for instrument (European plug); for mains operation and battery recharging	0554 1084
testo 314 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 sealed separately	0554 3161
Single-valve stop to seal pipe; e.g. when changing hoses during a test	0554 3162
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
High pressure stage stop 3/8 and 3/4; to connect test set 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), permanent ink	0554 0568
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	0520 0084
testo 314 system case, incl. 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	0409 0178
High-pressure probe up to 25 bar	0638 1743
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



Built-in printer with large, backlit graphic display



Standard testing pressure compensation with feeding unit



The entire testing system in case

