

We measure it.



Water and gas pressure: The master class.

testo 324. For all pressure and leakage quantity testing.

www.testo.com

For **all measurements** on gas and water pipes.

In the course of years, gas and water systems can become untight. For this reason, according to the legal requirements of DVGW, ÖVGW and UNI, all pipes and valves must be regularly checked for functional safety and tightness, also when new adjustments or significant changes are made.

With the testo 324, not only can load and tightness tests be carried out exactly and easily, but also the important servicability test. Only a test under real conditions shows whether all pipes and valves are working properly.



Well equipped for all tests

You can carry out all tests on gas and water pipes with the allround measuring instrument testo 324:

- Tightness of gas pipes (according to TRGI 2008 und DVGW G 5952)
 - Load and tightness test
 - Servicability test
- Tightness of LPG pipes (according to TRF 2012)
 - Load and tightness test
 - Repeated tests
- Gas pressure regulator for identifying errors in pressure reducer
- Drinking water pipes according to ZVSHK (EN 806-4)
- Waste water pipes according to DIN EN 1610



Load test

Convenient servicability tests with the highest precision.

The testo 324 is a digital measuring instrument of the newest generation: faster, more convenient, safer and more accurate than all previously available instruments. Developed specially for professional applications in everyday work, all relevant elements for the measurement are combined in one instrument.

The precise measurement technology allows fast and safe decisions when commissioning and testing gas and water pipes. This not only impresses your customers, it also puts you a step ahead of the competition. That pays off.



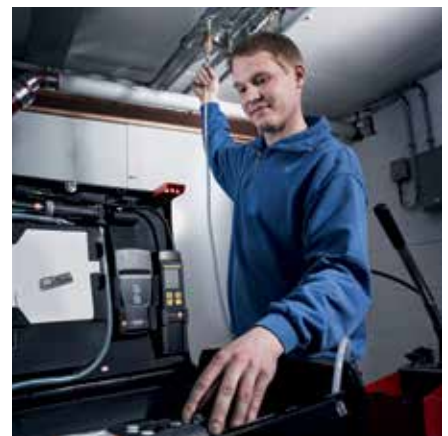
Automatic servicability test with gas-feed appliance



Automatic tightness test



Servicability test without gas-feed appliance



Drinking and waste water test

Fast, accurate, and at the same time safe measuring instruments.

Efficiency without compromise.

Up to now, you had the choice: Either you decide on a measuring instrument with extremely exact sensors, which is relatively complicated to use. Or you place value on speed and user-friendliness — and make compromises in measurement accuracy.

The DVGW-G-5952-tested testo 324 proves that precise measurements, functional safety and easy, fast handling do not need to be mutually exclusive.



Accurate sensors

With one flow-through sensor and three pressure sensors, the testo 324 is technically state-of-the-art, and perfectly equipped for all tests on gas and water pipes.

Clear menu structure

Thanks to its simple and logical menu structure, the operation of the testo 324 is self-explanatory. All tests are explained step by step.

Fast measurements

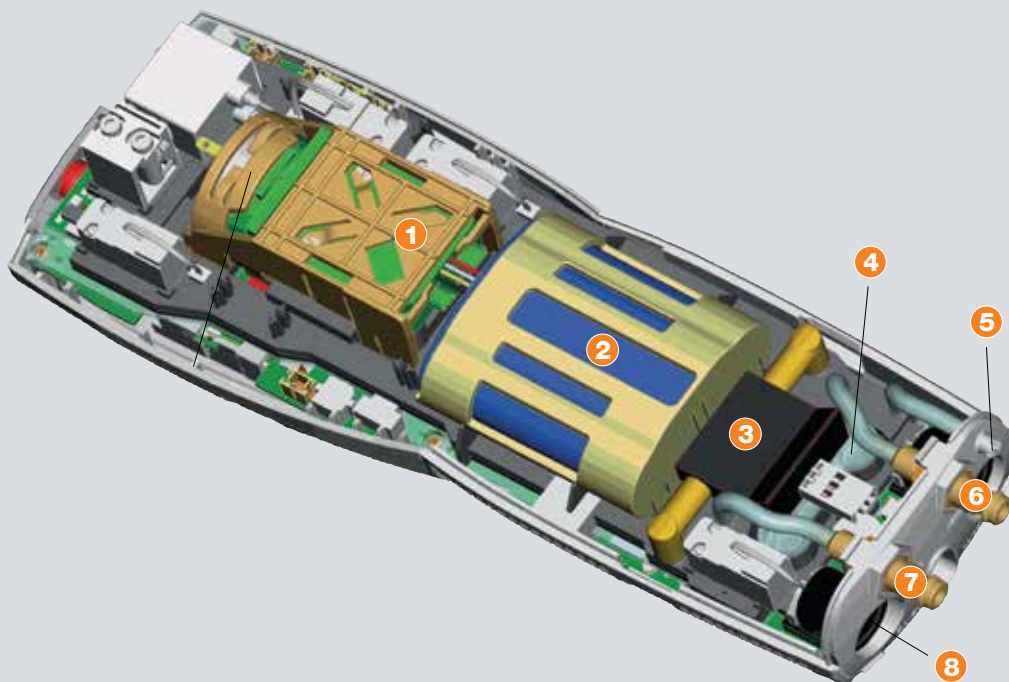
The semi-automatic and fully automatic measurement functions allow considerable time savings and accurate measurement values. In addition to this, all measurement procedures which correspond to the legal stipulations are stored in the instrument. This allows you to work more quickly and accurately than ever before.

Exact results thanks to precise sensors and gas-feed appliance

Exact sensors

One flow-through sensor, one absolute pressure sensor and two pressure sensors offer many advantages, and above all highest precision. The measurement of heat transfer with the flow-through sensor allows an exact result even for the smallest gas flows.

For all measurements, air pressure fluctuations caused by the weather situation or the altitude are compensated by the absolute pressure sensor. This enables safe decisions on gas and water pipes to be made.



- 1** Integrated pump for automatic pressurization
- 2** Li-Ion rechargeable battery for up to 5 hours' non-stop measurement
- 3** Highly accurate flow-through sensor for exact servicability tests
- 4** Pressure sensor up to 1 bar
- 5+8** Probe connections for high-pressure probe up to 25 bar pressure test or external temperature measurement (optional)
- 6** Pressure connection for gas-feed appliance
- 7** Pressure connection for load, tightness or servicability test

Safe gas-feed appliance

The testo 324 is programmed in such a way, that thanks to its integrated pressure pump and the gas-feed appliance, it carries out the network-independent leakage quantity test semi-automatically. Manual filling is no longer necessary, pressure fluctuations are eliminated.

Gas is fed into the system, preventing the development of a dangerous gas-air mixture. This guarantees the safety and functionality of the system and the burner.

Universal application capabilities with and without case.

Unlimited application possibilities

If required, the measuring instrument is available in a case including gas-feed appliance. All elements can be stored and transported tidily, variably and above all safely. The long battery life and the backlit colour display additionally allow long applications in dark working surroundings.



The most important features at a glance

- minimal installation effort
- easy operation
- highly accurate measurement results
- automatic documentation and analysis
- DVGW-tested

Safe documentation and data storage

Thanks to the data storage, the measurement data and measurement sites can be stored directly in the testo 324, and assigned customer-specifically. Via USB or optional Bluetooth, you can transfer the test reports to other appliances, systematically manage them with the special Testo software, and present them using a mobile printer directly on site if required.



Order the instrument and practical extras.

	Order no.	Price
Basic set testo 324: Ready to measure for all legally required tests	0563 3240 70	0.00 EUR
testo 324 leakage quantity measuring instrument		
Mains unit for testo 324 and basic printer		
System case incl. gas-feed appliance, connection block* & connection hose		
Manual pump for setting the test pressure		
Adapter for measurement connection to gas boiler		
High-pressure stage stop 3/4" and 1 1/4"		

* Instrument, pump, hose connections, incl. overpressure valve and stopcock

	Order no.	Price
Pro set testo 324: Professional measurement, documentation and testing	0563 3240 71	0,000.00 EUR
testo 324 leakage quantity measuring instrument		
Mains unit for testo 324 and basic printer		
System case incl. gas-feed appliance, connection block* & connection hose		
Manual pump for setting the test pressure		
Adapter for measurement connection to gas boiler		
High-pressure stage stop 3/4" and 1 1/4"		
High-pressure stage stop 3/8" and 3/4"		
High-pressure stage stop 1/2" and 1"		
Conical test stop 1/2"		
Conical test stop 3/4"		
testo 316-2		
Basic printer		
Spare printer paper		

* Instrument, pump, hose connections, incl. overpressure valve and stopcock

Ordering data instruments	Order no.	Price
testo 324 leakage quantity measuring instrument (without mains unit)	0632 3240	0.00 EUR
Mains unit for testo 324 and basic printer	0554 1096	0.00 EUR
testo 316-2 electr. gas leak detector (CH ₄ , H ₂ , C ₃ H ₈) with flexible measurement probe, incl. mains charger and earphones	0632 3162	0.00 EUR
testo 316-Ex electronic gas leak detector with PPM display and Ex-protected	0632 0336	0.00 EUR

Ordering data for accessories	Order no.	Price
Cases		
System case incl. gas-feed appliance, connection block* & connection hose	0516 3240	0.00 EUR
Transport case	0516 3121	0.00 EUR
Stops, caps, hoses etc.		
One-valve stop-off	0554 3162	0.00 EUR
Two-valve branch (brass)	0554 3161	0.00 EUR
Conical test stop 1/2"	0554 3151	0.00 EUR
Conical test stop 3/4"	0554 3155	0.00 EUR
High-pressure stage stop 3/8" and 3/4"	0554 3163	0.00 EUR
High-pressure stage stop 1/2" and 1"	0554 3164	0.00 EUR
High-pressure stage stop 3/4" and 1 1/4"	0554 0533	0.00 EUR
Pressure release cock	0554 3171	0.00 EUR
One-pipe counter cap	0554 3156	0.00 EUR
Y-distributor with hose (connect to both gas meter connections for testing entire pipe)	0554 0532	0.00 EUR
Y-High-pressure connection (connection between test pipe - high-pressure probe - pump / compressor)	0554 3139	0.00 EUR
Printers and accessories		
Basic printer	0554 0549	0.00 EUR
Bluetooth® incl. mains unit	0554 0553	0.00 EUR
Spare printer paper (6 rolls)	0554 0568	0.00 EUR
Sensors & probes		
Very fast-action surface probes with sprung thermocouple strip (connection 0430 0143 necessary)	0604 0194	0.00 EUR
High-pressure probe up to 25 bar complies to EN 806-4 (recommended with Y-high-pressure connection 0554 3139)	0638 1748	0.00 EUR
Other accessories		
Manual pump for setting the test pressure including hose	0554 3157	0.00 EUR
Leakage detection spray	0554 3166	0.00 EUR
ISO calibration certificate flow-through in gases, 5 measurement points	0520 0084	0.00 EUR
PC software easyheat	0554 3332	0.00 EUR
Connection cable, 1.5 m long, for probe with plug-in head (necessary with surface probe 0604 0194)	0430 0143	0.00 EUR
USB cable (connection PC - testo 324)	0449 0047	0.00 EUR

* Instrument, pump, hose connections, incl. overpressure valve and stopcock

Option / retrofit	Order no.	Price
Option Bluetooth® wireless transmission		0.00 EUR
Retrofit Bluetooth®		on request

Technical data

Protection class	IP40 acc. to EN 60529
Operating temperature	+5 °C to +40 °C
Storage temperature	-20 °C to +50 °C
Additional probe sockets	2 Hirschmann for connecting pressure and temperature probes
Gas connections	2 pressure connections DN 5
Rechargeable battery life	min. 5 h measurement time, mains operation possible
Display	Colour display, presentation of graphic curves
Data transfer	USB, IRDA, Bluetooth® (Option)
Printer	0554 0549, 0554 0547, 0554 0544, 0554 0553 (with option Bluetooth®)
DVGW permit according to G 5952	Instrument class L up to volume = 200 litres
Leakage quantity measurement	Measuring range: 0 to 10 l/h Accuracy: ± 0.2 l/h or ± 5 % of m.v.
Pressure measurement	Measuring range: 0 to 1000 hPa Accuracy: ± 0.5 hPa or ± 3 % of m.v.
Pressure measurement with high-pressure probe	Meas. range: 0 to 25 bar Accuracy: 0 to 10 bar ± 0.6 % of m.v. / >10 bar to 25 bar ± 0.6 % of m.v. Resolution: 10 hPa Complies with EN 806-4
Absolute pressure measurement	Measuring range: 600 to 1150 hPa Accuracy: ± 3 hPa
Overload	to 1200 hPa
Temperature measurement TC Type K (instrument only)	Measuring range: -40 °C to +600 °C Accuracy: ± 0.5 °C or ± 0.5 %
Memory	500,000 measurement values



Hassellunden 11A, 2765 Smørum
Tel. 45 95 04 10
info@buhl-bonsoe.dk
www.buhl-bonsoe.dk