

Innovative testing technology for gas supply

PMS Testing Case



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Application

Country-specific guidelines, such as DVGW worksheet G 469 in Germany, SVGW guideline G2 in Switzerland, and ÖVGW guideline G E101 in Austria, require gas supply lines and gas house connections to be leak tested before they are put into operation. With the PMS test case, UNION Instruments GmbH has developed a system that, thanks to its intuitive user guidance, enables even less experienced personnel to perform correct leak tests.

- The PMS test case supports the following test procedures for leak tests on network connections and distribution pipes:
- B3 Gas connection to the housing
 - B3 Gas supply line
 - Avacon testing procedure
- If necessary, it is possible at any time to implement new test sequences according to user requirements and store them in the system.

Automatic detection of the steady state

Automatic persistence detection enables time-saving, standard-compliant leak tests.

Wide range of possible applications

Automatic persistence detection enables time-saving, standard-compliant dynamic leak testing.

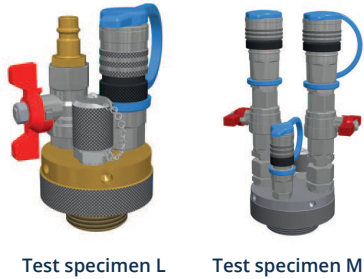
System features PMS

- Standard-compliant test procedures with intuitive user guidance
- Graphical representation of the test sequence constantly available
 - Standard-compliant leak testing can also be performed by less experienced personnel
- State-of-the-art electronics:
- 7" touch display
 - Test reports can be read out as PDF files via USB or Bluetooth
 - No special software required for PC

- Free Android app + iOS app for viewing and sending test reports
 - Test data can also be read in CSV format
 - 7 or 30 bar DAkkS-certified pressure sensor
 - Two internal pressure sensors possible
 - Possibility of an integrated log printer
- Expandable with additional software packages/
test specifications

Connection accessories for leak testing

The right connection accessories are essential for leak testing, as they establish the connection between the measuring technology and the pipe and ensure that the test runs smoothly.



Connection accessories for gas supply lines:	Connection accessories for gas house connections:
▪ Test specimen L enables correct and quick connection of the PMS test case and an external compressor. ▪ Connection is made directly via the G2½" thread or via an adapter to smaller G threads. ▪ Test specimen L and adapters are sealed by an O-ring and therefore enable a highly tight connection to many threads and fittings. ▪ The external compressor is connected via a claw coupling with a claw spacing of 42 mm.	▪ The test specimen M is designed for connecting the PMS test case and an external compressor to domestic gas connections. ▪ Connection is made directly via the G1" thread, which is sealed with an O-ring and therefore guarantees a highly tight transition. ▪ The external compressor is connected via a NW 7.2 nipple.

Technical specifications

Display	7" color graphic touch display
Operating time	Approximately 100 hours (with display turned off)
Simultaneous operation and charging	Yes
Pressure sensors	7 or 30 bar pressure sensor Second internal pressure sensor possible: Measuring ranges -1 to +500 bar
Protection class	IP 66 (with cover closed)
Operating temperature	-20°C to +45°C
Dimensions (L x W x H)	365 x 295 x 150 mm
Weight	Approx. 5 kg
Available test sequences	Water distribution systems: DVGW W 400-2, SVGW W4, DIN EN 805 Gas supply: DVGW G 469, SVGW G2 Sewage networks: DIN EN 1610, DWA-A 139 Freely definable test sequences *New test procedures can be implemented at any time according to customer requirements and stored in the system.



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