

## Dräger MSI P7 Combustion Gas Analysis

Fit for the new DVGW-TRGI 2008: The Dräger MSI P7 provides several methods for you to test pipelines and containers that are filled with gas or air. The device has been tested in accordance with DVGW VP 952 and is the ideal tool for working in compliance with the new DVGW-TRGI 2008. Automatic absolute pressure and temperature compensation guarantee precise measurements.



## Benefits

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### Gas safety test in just 10 to 15 minutes!

The Dräger MSI standard leak procedure is particularly quick and easy for the user. There is no need to disassemble a gas meter or to connect a container with gas to the gas line. The MSI P7 uses the changes in pressure measured with and without the standard leak to determine the leakage rate and volume in the gas line in just 10 to 15 minutes! The serviceability check (gas safety check) meets the technical conditions of the new DVGW-TRGI 2008.

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### Load test, in accordance with DVGW-TRGI 2008

In the load test (previously the preliminary test), the pressure in the gas line is increased to 1 bar. The measurement results can be displayed, printed or saved.

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### Leak test, in accordance with DVGW-TRGI 2008

The leak test is fully automatic with the MSI P7. In addition, the gas line to be tested is connected to the MSI P7 via just one pressure measurement hose. The pressure in the gas line to be tested is automatically increased to 150 mbar (previously 110 mbar) by the measurement system, in accordance with the new DVGW-TRGI 2008. The stabilization and measurement times correspond to DVGW TRGI G 600, chapter 5.6.4.2.

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### At a glance

- Gas safety test in just 10 to 15 minutes
- Fully automatic leak rate measurement
- No need to demount the gas meter or establish a connection to fill external containers with gas
- Automatic measurement of pipeline volume
- Leak test with 150 mbar, including fully automatic pressure restoration
- Documentation of measurement results via infrared printer and PC
- Tests comply with new technical conditions of the DVGW-TRGI 2008.
- DVGW-approved (DVGW No.: DG-4805BS0029) Serviceability test for natural gas, propane and air

## Accessories

ST-181-2007



### different accessories

- Probe for measuring burner pressure  
Part number: 56 00 365
- PC software, P7 tools, USB cable  
Part number: 56 00 750
- Device case  
Part number: 56 00 749

## Related Products

ST-181-2007



### Dräger MSI P7plus

Extra performance: In addition to all the functions of the MSI P7, the P7 plus can take on extra tasks like liquid gas line tests, water pipe tests, regulator tests and pressure measurement up to 5 bar. The measurement device corresponds to the new DVGW-TRGI 2008 and is DVGW-approved (DG-4805BS0029).

## Technical Data

Pressure Measurements	Low pressure	Resolution	0.1 Pa
		Range	– 10 ... + 10 Pa
		Accuracy	0.5 Pa
		Range	– 100 ... + 100 Pa
		Accuracy	< 5 % v MW or < 1 Pascal
	Pressure I	Range	10 ... + 100 mbar
		Resolution	0.01 mbar
		Accuracy	< 3 % v MW or < 0.5 mbar
	Pressure II	Range	– 15 ... + 150 mbar
		Resolution	0,1 mbar
		Accuracy	< 5 % v MW or < 0.5 mbar
Load Test	High Pressure	Range	– 200 ... + 2.000 mbar
		Resolution	1 mbar
		Accuracy	< 5 % v MW or < 10 mbar
Leak test	Pump capacity	1.0 litre/min to 0.5 litre/min (pressure depending)	
	Test pressure	110.1 to 119.9 mbar, generated by internal pump	
	Resolution	0.1 mbar	
	Stabilisation period	2 to 10 min (pressure depending)	
	Measurement period	10 min	
Leak Rate Measurement	Leak Rate	Range	0 to 10 litre/h
		Resolution	0.01 litre/h
	Volume	Range	1 to 300 litre
		Resolution	0.1 litre
	Gas types	Natural gas, propane, air	
General	Humidity	10 % to 90 %RF not condensing	
	Barometric press.	800 hPa to 1100 hPa	
	Operating temp.	+ 5 °C to + 40 °C	
	Storage temp.	– 20 °C to + 50 °C	
	Dimensions	145 x 195 x 75 mm (W x H x D)	
	Weight	ca. 1,000 g	
Approvals	TÜV approved, certified by German association of gas and water installation (DVGW)		

## Ordering Information

Tightness measuring tool Dräger MSI P7	56 00 732
Probe, Printer and additional accessories	see Pricelist

## Notes

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### **CORPORATE HEADQUARTERS**

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