



Translation of the original operating instructions

Test leak for sniffer leak detection with Checkport

Catalog No.
12329

From software version

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INFICON GmbH
Bonner Strasse 498
50968 Cologne, Germany

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1 About this manual

1.1 General information

The calibration leak must only be operated in the proper condition and in the condition described in the instruction manual, and used by trained personnel.

Follow the local regulations for the use of the calibration leak.

Follow the instructions in this document as well as the operating instructions of the leak detector.

1.2 Intended use

The test leak, designed as a tabletop device, is used to calibrate and check sniffer leak detectors, taking into account the safety regulations. The test leak must be adjusted to a room temperature of 20 °C at the place of use 24 hours before use.

1.3 Basic safety instructions

- Observe the relevant protective measures when handling the calibration gas used, see also safety data sheets.

- The test leak is pressurized. Protect it from solar heat, temperatures above 40 °C, and damage.
- Calibration gas: Avoid eye-contact and inhalation in high concentrations.
- Share the security information with other users.

INFICON does not assume any responsibility and warranty if the operator or third parties

- disregard this document
- use the product for purposes other than those for which it was intended
- carry out interventions of any kind on the product (conversions, modifications, etc.).
- Important instructions concerning technical safety and industrial safety are highlighted by the following markings.

1.4 Warnings

DANGER

Imminent hazard resulting in death or serious injuries

WARNING

Hazardous situation resulting in potential death or serious injuries

CAUTION

Hazardous situation resulting in minor injuries

NOTICE

Hazardous situation resulting in damage to property or the environment

2 Description

2.1 Calibrated test leak with Checkport

The calibrated test leak is installed in a rectangular housing.

It has two outlets for calibration gas. The lower outlet is for calibration, the lower gas flow from the upper outlet should be detected by your INFICON leak detector at highest sensitivity.



Fig. 1: Test leak with test measuring point

1	Checkpoint (test measuring point detection limit)	2	Manometer
3	Date of calibration	4	Leak rate of the calibrated test leak.
5	Calibration (outlet of the calibration gas)		

2.2 Technical specifications

Note that the pressure in the test leaks changes depending on the temperature.

Smallest deviation from calibration	± 10 %
Cat. No. / Pressure range	
123 29	approx. 3 bar
Temperature range	+15°C to +35°C
Storage temperature	0°C to +40°C
Weight	approx. 3.5 kg



WARNING

Highly flammable gases

- Keep gases that are marked with a flame symbol in the following table away from ignition sources.

Refrigerant

	Gas type	Cat. no.	Leak rate g/a	Leak rate oz/y
	R 600 a	123 29	0.5 - 0.8	0.018 - 0.028
			2.0 - 5.0	0.07 - 0.176

3 Calibrate

The calibrated test leak constantly emits gas during its operational readiness.

WARNING

Explosive gas mixtures

Flammable gases can form explosive gas mixtures, see the gases marked with the flame symbol under “Technical specifications“.

- ▶ Care for sufficient ventilation and keep away from ignition source.
- ▶ Please also observe the instructions in the safety data sheet.

- ✓ Ambient temperature + 15°C to + 40°C
- ✓ Displayed pressure range 3 bar
 - 1 Follow the instructions for calibration with an external test leak as described in the operating manual of the respective leak detector.
 - 2 Hold the sniffer tip against the exit opening of the test leak until the measurement result is stable.

4 Cleaning and maintenance

4.1 Cleaning the housing

For cleaning the outside of the test leak, a slightly humid cloth should normally do. Do not use under any circumstances any aggressive or scouring cleaning agents.

4.2 Maintenance

The calibrated test leak requires no maintenance. When the calibration gas is used up, the test leak has to be refilled and calibrated.

Contact your nearest INFICON service point.

4.3 Sending for repair or maintenance

Do not open defective products.

Contact your nearest INFICON service point.

 **CAUTION**

Calibration gas

Test leaks sent for repair may still contain calibration gas.

- ▶ Take account of the national regulations for shipping the respective calibration gas.
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5 Disposal

WARNING

Environmentally hazardous substances

Products, equipment, etc. may have to be disposed of specially.

- ▶ Contact your nearest INFICON service center for correct disposal.
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