



Translation of the original short instruction

XL3000flex, XL3000flexRC

Leak detector

Catalog No.
520-200, 520-201

From software version
V3.11 (Operating unit)



INFICON GmbH
Bonner Strasse 498
50968 Cologne, Germany

Table of contents

1 Warnings	4
2 Safety	5
3 Short instruction	6
4 Description	7
5 Settings	13

1 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 Safety

This quick-start guide does not replace the operating instructions for the leak detector XL3000flex.

To ensure the safe use of the detector, please also read the operating instructions, which include further important information. The operating instructions can be found either on the USB memory stick or on the INFICON website.

The USB memory stick is included in the shipment.

Dangers

The measuring instrument was built according to the state-of-the-art and the recognized safety regulations.

Nevertheless, improper use may result in risk to life and limb on the part of the user or third parties, or damage to the instrument or other property may occur.

There are high voltages inside the device. Touching parts where electrical voltage is present can result in death.

- Before starting the leak test, disconnect electrically operated test objects from the power supply. Make sure that the electric power supply cannot be reconnected without authorization.
- Before connecting the device to the power supply, make sure that the supply voltage specified on the device is the same as the local power supply.

3 Short instruction

Intended use

The XL3000flex is a helium or hydrogen leak detector for sniffing detection. With the device you locate and quantify leaks on test objects.

A test object always contains gas under overpressure. Check the exterior of the test objects for escaping gas using a sniffer line (sniffing method).

Only operate the device as described in the operating instructions.

Owner requirements

- Operate the device only as specified in a safety-conscious and hazard-conscious manner and in compliance with the operating instructions.
- Only use the device when it is technically in good order and condition.
- Meet the following country-specific guidelines and regulations and monitor compliance.

Operator requirements

- Read, observe and follow the information in the operating instructions and the working instructions created by the owner, especially the safety instructions and warnings.
- Carry out any work only based on the complete operating instructions.
- If you have any questions regarding operation or maintenance that you cannot find answers to in the instructions, please contact INFICON customer service.

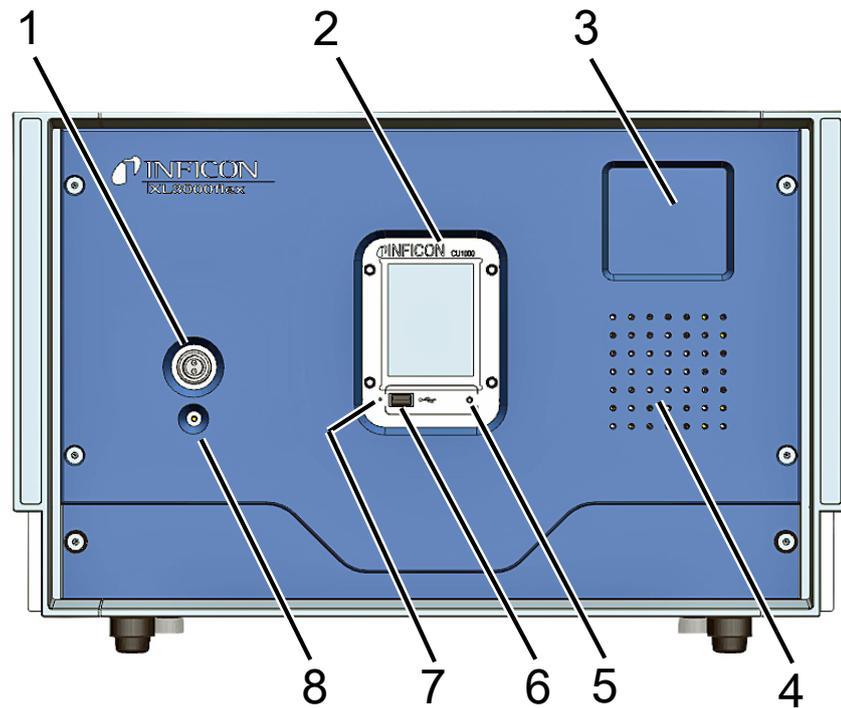
4 Description

Scope of delivery

Item	Quantity
XL3000flex or XL3000flexRC ¹⁾	1
USB stick (instruction manuals and short instructions in all available languages)	1
Filter set for fans	2
Set of fuses	1
Power supply cable USA	1
Power supply cable UK	1
Power supply cable JP	1
Power supply cable EU	1
Goods issue inspection log	1
Touch PIN	1
Short instruction	1

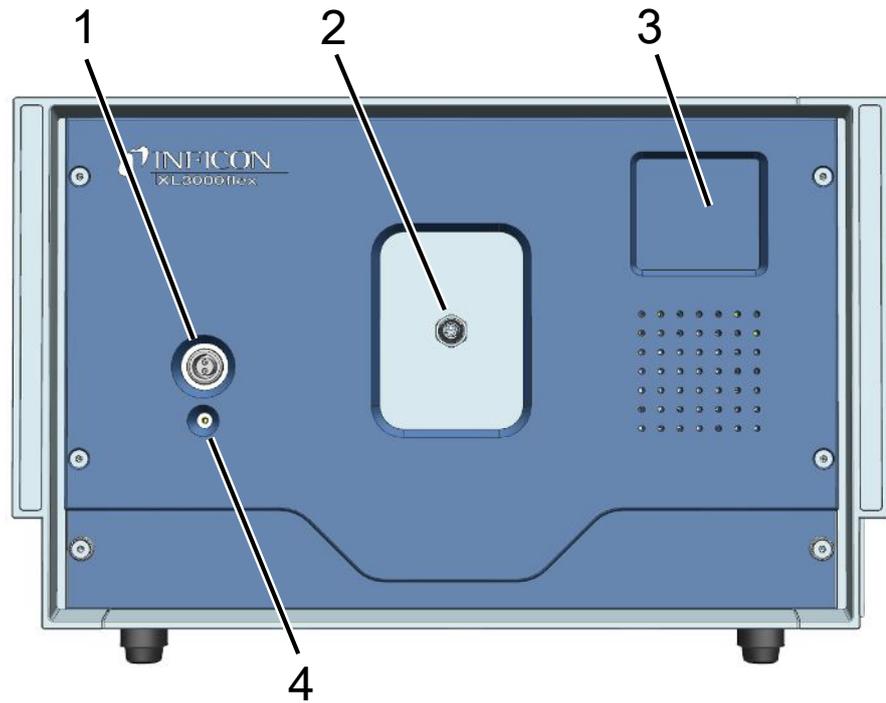
1) XL3000flexRC in standard scope of delivery without data cable and CU1000 control unit. Both are required for the described function.

- ▶ Check the delivery contents after receiving the product to ensure it is complete.

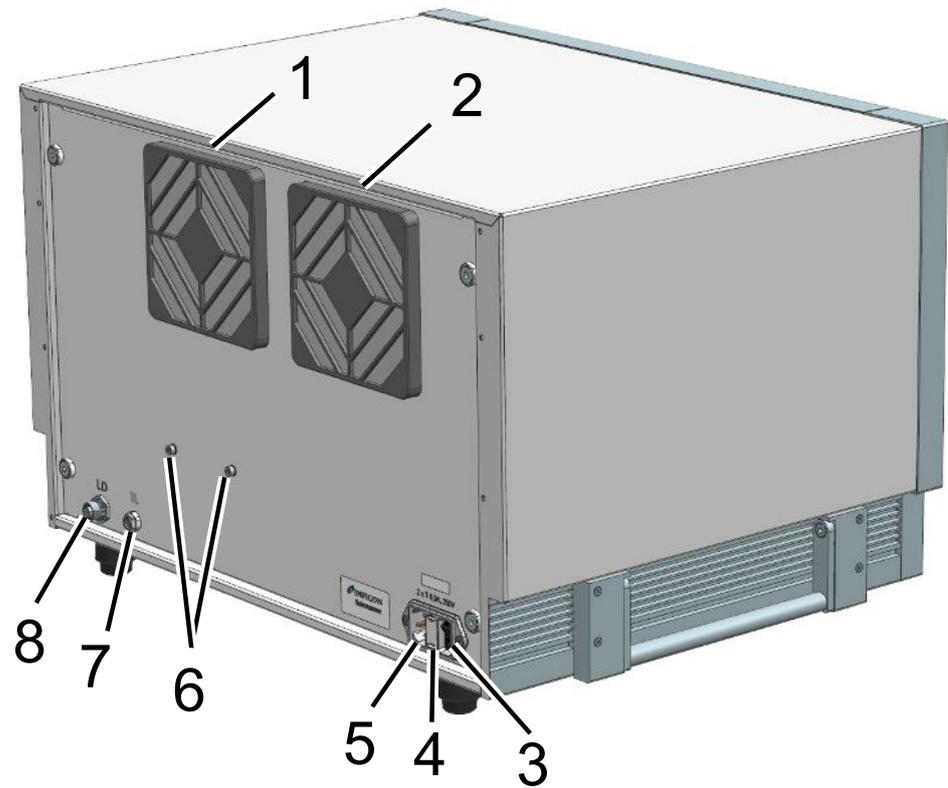
XL3000flex: Front view

1	Connection for sniffer line SL3000XL	5	Status LED of the operating unit. Shines: Control unit operates normally Flashes: Display in power saving mode
2	Touchscreen	6	Connection for USB stick
3	Area for fixing a holder for the sniffer line	7	Reset button, can be triggered by key PIN
4	Speaker	8	Status LED A permanently lit status LED shows that the sniffer line is supplied with voltage.

XL3000flexRC: Front view



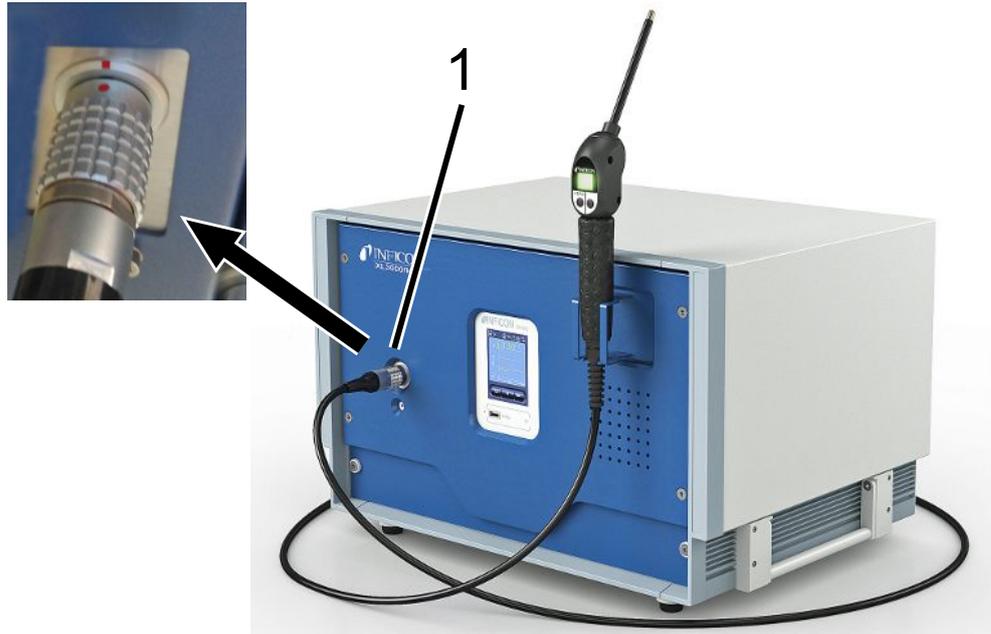
1	Connection for sniffer line SL3000XL	4	Status LED A permanently lit status LED shows that the sniffer line is supplied with voltage.
2	Interface for a data cable for connection to an external control unit CU1000.		
3	Area for fixing a holder for the sniffer line		

Back view

1	Filter ventilator inlet	5	Power cable connection
2	Filter ventilator inlet	6	Mounting screws for a profile rail (for mounting the I/O module IO1000 or the bus module, optional)
3	Device power ON/OFF switch	7	Connection "TL" for connection cable to calibration adapter for calibration leaks
4	Electrical fuse	8	Connection "LD" for the data cable of the I/O module or bus module

Connecting the sniffer line

Connect the sniffer line before you start up the device.



1 Connection for sniffer line

1. Align the red marking on the sniffer line plug with the red marking on the socket of the device.
2. Push the sniffer line plug into the socket on the device until it locks into place. The plug may no longer be easy to move.

Switching the device on

- ▶ Switch on the XL3000flex using the power switch on the back of the device
 - ⇒ The system is starting automatically
 - ⇒ After the start-up, the green LED on the front cover of the XL3000flex lights up.

XL3000flexRC only: Assemble data cable and CU1000

- ▶ Connect the leak detector and the separate CU1000 via a data cable. Cable length < 30 m. Use the interface on the front of the device for this purpose.

**Accessories required**

The XL3000flexRC is delivered in the standard scope of delivery without data cable and CU1000 control unit. Both are required for the described function. See also "Accessories" and the operating instructions for the CU1000 control unit.

5 Settings

Setting the language

Select the display language. The factory setting is English. (The display on the handle of the SL3000XL sniffer line shows messages in English instead of in Russian and Chinese.)

German
English
French
Italian
Spanish
Portuguese
Russian
Chinese
Japanese

Control unit	Main Menu > Settings > Setup > Control unit > Language
LD protocol	Command 398
ASCII protocol	*CONFig:LANG

Leak rate unit display

Selecting the leak rate unit in the display for vacuum or sniffing

0	mbar l/s (factory setting)
1	Pa m ³ /s
2	atm cc/s
3	Torr l/s
4	ppm
5	g/a
6	oz/yr

Control unit	Main Menu > Display > Units (Display) > Leak Rate Unit SNIF
LD protocol	Command 396 (sniffing)
ASCII protocol	Command *CONFig:UNIT:SNDisplay

Leak rate unit interface

Selecting the leak rate unit of the interfaces for sniffing	
0	mbar l/s (factory setting)
1	Pa m ³ /s
2	atm cc/s
3	Torr l/s
4	ppm
5	g/a
6	oz/yr
Control unit	Settings > Set up > Interfaces > Units (interface) > Leak rate unit SNIF
LD protocol	Command 432 (sniffing)
ASCII protocol	Command *CONFig:UNIT:LRSnif

Select gas type

The machine, calibration and sniff factor are dependent on the configured mass and are saved in the mass spectrometer module.	
2	H ₂ (Hydrogen, forming gas)
3	³ He or deuterated hydrogen (HD)
4	⁴ He (Helium) (factory setting)
Control unit	Main menu > Settings > Mass
LD protocol	Command 506 with value 2 (3, 4)
ASCII protocol	Command *CONFig:MASS 2 (3, 4)



www.inficon.com reachus@inficon.com

Due to our continuing program of product improvements, specifications are subject to change without notice.
The trademarks mentioned in this document are held by the companies that produce them.