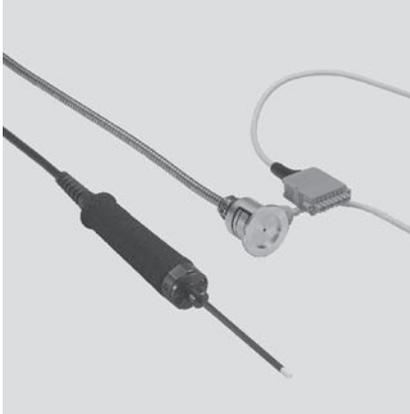


Helium Sample Probes (Sniffers)



Helium sniffer line SL 300



Helium sniffer QUICK-TEST QT 100 with sniffer

Helium sniffers in connection with the leak detectors are used for leak testing test samples in which a helium over-pressure is present. Besides accurate pinpointing of leaks it is also possible to determine the leak rate of the escaping helium.



Helium sniffer line SL 301 in transport case

Advantages to the User

Helium Sniffer Line SL 300 and SL 301 for PHOENIX L300i

- Sniffer line connects directly at the test connection
- **SL 300**
Comfortable helium sniffer with red and green status LED and ZERO push-button
- **SL 301**
Robust and easy helium sniffer in practical transport case
- Easy filter removable
- Very fast response
- Extremely low detection limit $< 1 \times 10^{-7} \text{ mbar} \times \text{l} \times \text{s}^{-1}$
- Rigid sniffer tip 120 mm
- Very rugged industrial design

Helium Sniffers QUICK-TEST QT 100 for PHOENIX L300i

- Sniffer leak detection for greater distances between test object and leak detector
- Diaphragm pump for sucking the search gas
- Smallest detectable leak rate $1 \times 10^{-6} \text{ mbar} \times \text{l} \times \text{s}^{-1}$
- Short response and decay times
- High sniffer velocity
- Switching power supply, can be run off mains voltages from 100 to 230 V AC

Typical Applications

- Storage and transportation vessels for gases and liquids
- Gas supply systems
- Gas compressors
- Components for the cooling and air conditioning industries
- Heat pumps and components for thermal energy recovery units
- Chemical production plants
- Supply and phone lines laid in the ground
- Power station condensers and turbines
- Window and door seals of car bodies, refrigerators and alike
- Revision checks on leak testing systems
- Measurement of helium concentrations ranging from ppm to %
- All hollow objects exposed to overpressures

Technical Data

SL 300 / SL 301

QT 100

Smallest detectable leak rate	mbar x l x s ⁻¹	< 10 ⁻⁷	10 ⁻⁶
Inlet pressure	mbar	< 0.13	-
Supply voltage		-	100-230 V, 50/60 Hz
Signal response time for			
SL 301 at a length of			
4 m	s	< 1	-
10 m	s	< 4	-
SL 300 at a length of			
5 m	s	< 1	1
10 m	s	< 5	-
20 m	s	-	< 6
50 m	s	-	20
Connection flange	DN	25 ISO-KF	25 ISO-KF
Weight	kg (lbs)	0.6 (1.3)	3.5 (7.7)

Ordering Information

SL 300 / SL 301

QT 100

	Part No.	Part No.
Helium sniffer line with rigid sniffer tip 120 mm		
SL 300		
red/green LED		
ZERO button		
4 m long, straight handle	252 003	-
SL 301		
4 m long, straight handle	252 025 V01	-
10 m long, straight handle	252 026 V01	-
Helium sniffer QUICK-TEST QT 100	-	155 94
Sniffer line for the QT 100		
5 m	-	140 08
20 m	-	140 09
50 m	-	121 83
Spare Parts for SL 301		
Filter insert, 2 pieces	ESLMSA-92097	-
Stainless steel tube with capillary tube	E-LST-30	-