

ærlikon
leybold vacuum

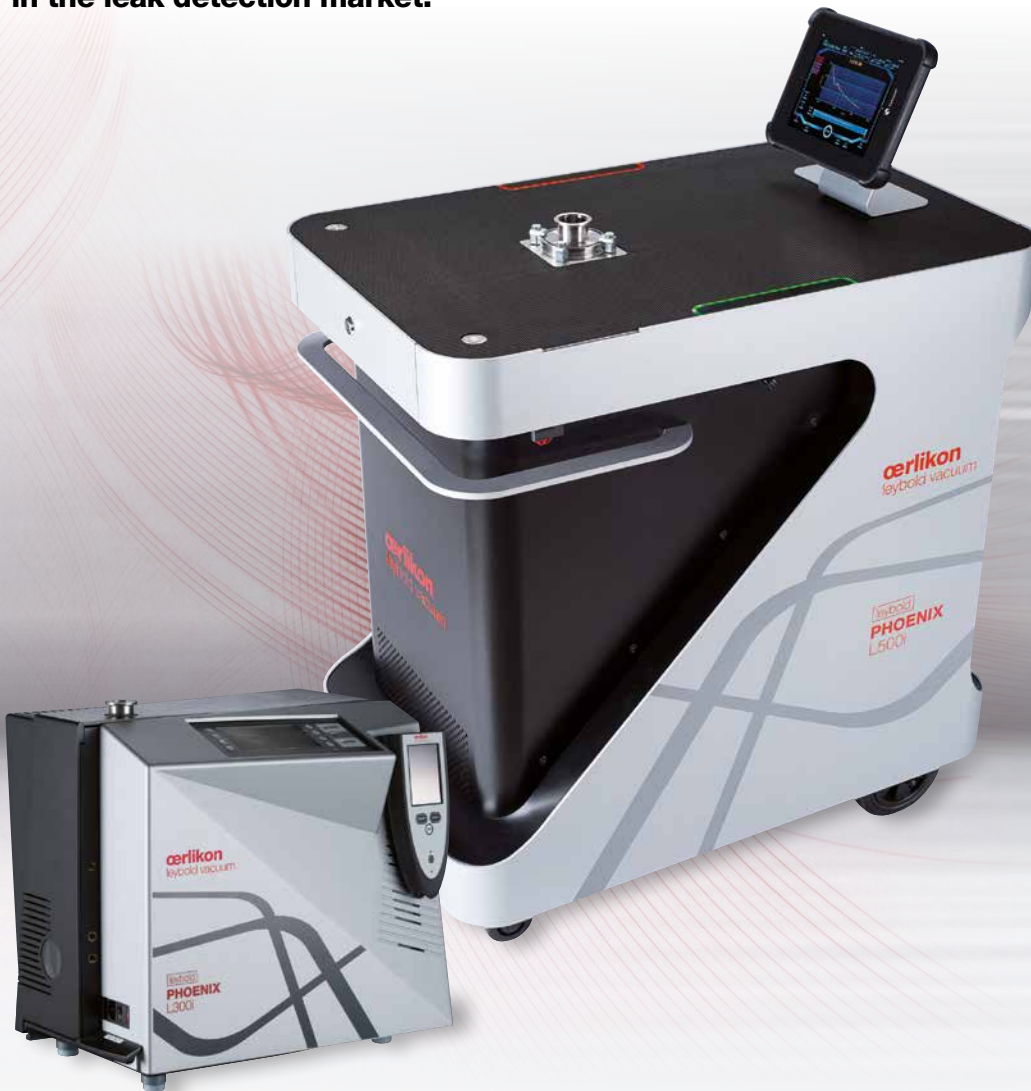
PHOENIX SERIES

Unlock the Future



The PHOENIX SERIES

The new PHOENIX L500i/L300i helium leak detector opens up new dimensions of productivity and reliability for your applications. The PHOENIX L500i/L300i is your solution, pioneered with an intelligent iPad control. The smartest and unparalleled user experience in the leak detection market.

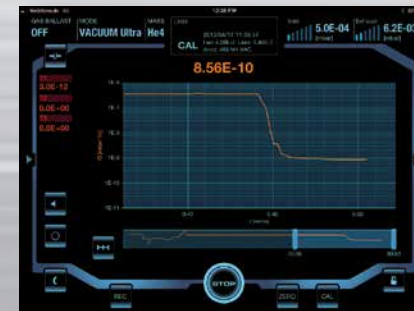


with its revolutionary control

Ultimate operator comfort due to an intuitive touch screen operation with high-resolution retina 9,7" color display iPad protected by an industrial iPad case (IP-68, Military Standard 810F-516). The new PHOENIX L300i and PHOENIX L500i inspire with a clearly structured display and comfortable functions like easy start and stop or set-up of individual test profiles. Choose between different reporting functions according to the particular application. Increase working speed with the optional barcode scanner. Use the integrated data storage to generate test reports for efficient and accurate quality assurance. This flexible and mobile handheld device also features automatic calibration with integrated test leak as well as automatic functions like measuring range switch, zero reference and spectrometer balance.

TREND VIEW

With second sliderbar display



VACUUM SCHEMATIC

Intuitive and interactive



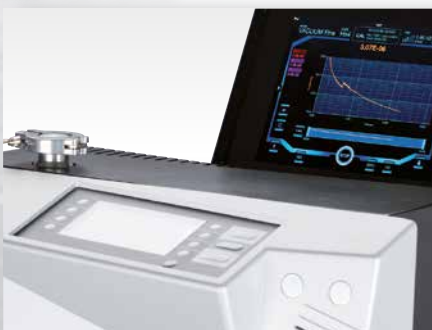
PHOENIX L300i

HIGHLIGHTS

- Most compact unit in class
- Quick start up (≤ 2 min)
- Extremely fast response
- High sensitivity
- Most robust and reliable ion source (extended warranty time)
- Flexible application areas
- Maximum mobility due to wireless remote control RC 310 or iPad
- Service-friendly due to modular design
- 10 languages available (iPad Version: only German, English)
- Dry version also available

iPad CONTROL

with holder (optional)



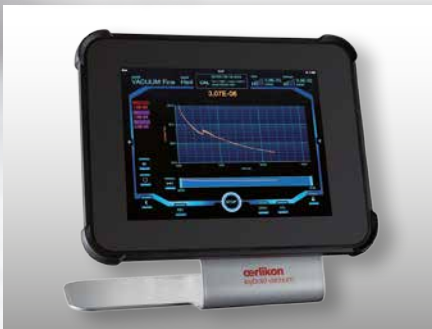
REMOTE CONTROL

including data export



iPad TABLE STAND

for mobile use (optional)



TRANSPORT CASE

for leak detector and accessories



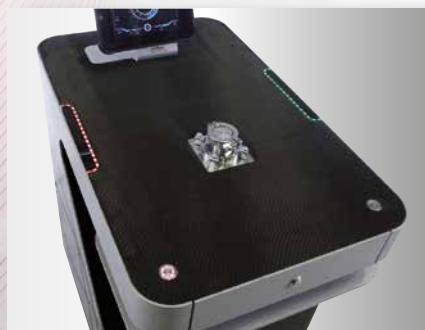
PHOENIX L500i

HIGHLIGHTS

- Fastest mobile leak detector on the market
- Highest helium pumping speed for quick response time
- High sensitivity
- Extremely short Helium recovery time
- Ultimate operator comfort due to intuitive touch screen operation via iPad (within Standard delivery)
- Reliable and reproducible test results
- Efficient standby mode and wake-up function saving time and energy
- Best ion source in industry
- Rugged industrial model on castors with an appealing design
- Worldwide voltage compatibility

START- AND STOP-BUTTON

Energy saving sleep and wake-up mode



DATA EXPORT

Easy data export of csv-file



DRAWER HOUSING USB PORT

For storing iPad and offering another USB port for iPad charging



MOBILE, FLEXIBLE UNIT

Multifunctional interfaces



Best Performance for your Application!

TYPICAL APPLICATIONS FOR QUALITY CONTROL

PRECISION ENGINEERING

Pressure transducers, sensors, diaphragm gauges



ELECTRICAL ENGINEERING

Transformer housings, bushings, feedthroughs, switch



AUTOMOTIVE INDUSTRY

Air condition, carburetors, air bag, fuel tanks, brake lines



VACUUM EQUIPMENT

Vessels, vacuum insulated tanks, pipework and connection components



OIL & GAS

Testing of tanks & vessels



AIRCRAFT INDUSTRY

Fuel tanks, pneumatic lines



TECHNICAL DATA	PHOENIX L300i	PHOENIX L300i Dry	PHOENIX L300i Modul	PHOENIX L500i
Smallest leakrate (vacuum mode)	≤ 5 x 10 ⁻¹² mbar l/s	≤ 3 x 10 ⁻¹¹ mbar l/s	Up to 8 x 10 ⁻¹² mbar l/s	5 x 10 ⁻¹² mbar l/s
Smallest leakrate (sniffer mode)	< 1 x 10 ⁻⁷ mbar l/s			
Helium pumping speed	> 2,5 l/s			50 l/s
Max. inlet pressure	15 mbar			1000 mbar
Largest measurable leakrate	0,1 mbar l/s			1000 mbar l/s
Time until ready for operation	≤ 2 min			< 3 min
Response time	< 1 s			< 0,2 s
Helium recovery time (1,5 cm³)	+++			+++
Nitrogen venting	Yes			Yes
Worldwide voltage	All worldwide voltage versions available: 230 V, 50 / 60 Hz • 115 V, 60 Hz 100 V, 50 / 60 Hz	Different versions available: 230 V, 50 Hz • 115 V, 60 Hz 100 V, 50 / 60 Hz	100 - 230 V, 50 Hz / 60 Hz	200/208/380/400/460 V 3-Ph/N/PE, 50/60 Hz
Inlet flange	DN 25 KF			DN 63 ISO-K
Weight	40 kg	35,5 kg	29,5 kg	385 kg
LEAK DETECTION TECHNIQUE				
Test item size	Small	+	Flexibel	Flexibel, large chambers and routine tests
Serial tests (velocity)		++		+++
Partial flow pumping set	Optional	-	Optional	Integrated
COMPONENTS				
Internal sealing materials	Special developed metal/elastomer			Metal/elastomer
Valve types	Electro-magnetic			Electro-magnetic/electropneumatic
Operating cycles of the valves		+++		++
Optical status signals		+		+++ (green/red LED)
Acoustical status signals			Yes	
Helium contamination protection			Yes	
Background behavior			+++	
Warranty on ion source	Extended warranty time - minimum 2 years			
SOFTWARE/DATA				
iPad	Optional			Standard
Data export	CSV-file via remote control RC 310 / via iPad (iTunes) or RS232 interface			CSV-file
Operation	Via integrated panel and display / via remote control RC 310 / via iPad			iPad / digital I/O / start and stop buttons
Mobility	Portable / mobile (with Cart 300)			Mobile
Design	Compact			Ergonomic standing work station
Lockable drawer	-			Yes
Application	Universal			Universal
Available languages	German, English, French, Italian, Spanish, Chinese, Japanese, Russian, Polish, Korean (iPad control German, English*)			German, English*

*other languages coming soon



ORDERING INFORMATION

PHOENIX L500i (iPad incl. software & industrial case (IP-68, Military Standard 810F-516) within standard delivery)	503504V901
PHOENIX L500i PFPE-Version	503504V902
PHOENIX L300i EU-Version	250000V01
PHOENIX L300i DRY EU-Version	250001V01
PHOENIX L300i MODUL	250002V01
PHOENIX L300i US-Version	251000V01
PHOENIX L300i DRY US-Version	251001V01
PHOENIX L300i JP-Version	251100V01
PHOENIX L300i DRY JP-Version	251101V01
PHOENIX L300i Cart Versions	252005 / 252006
iPad incl. software & industrial case (IP-68, Military Standard 810F-516)	252005V01
WLAN module	252006V01
iPad holder PHOENIX L300i	252007V01
BARCODE scanner	252008V01
iPad table stand	252009V01
Remote Control RC 310 C PHOENIX L300i	252013V01
Remote Control RC 310 WL PHOENIX L300i	252014V01
Transport case PHOENIX L300i	252004
Partial flow system for PHOENIX L300i and PHOENIX L300i Module	14020
Helium Sniffer line SL 300	252003
Helium sniffer Quick-Test QT 100	15594
iPad lock	Upon request

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