

Visionary helium leak detection technology



## UL3000 Fab

Fast, precise and mobile helium leak detector for the semiconductor industry

### UL3000 Fab – save time and space

The INFICON helium leak detector UL3000 Fab is designed for the needs of leak testing in semiconductor applications.

It features flexibility, mobility, fast start up, high sensitivity, fast and precise test results, and reliability.

#### FAST RESULTS

The improved vacuum system with low maintenance vacuum pumps allows the detection of leaks starting from atmospheric pressure.

Rugged mass spectrometer system ensures long running time and low maintenance costs.

The HYDRO-S software in the UL3000 Fab PLUS eliminates the water vapour background and makes leak testing even faster.

The UL3000 Fab PLUS offers also an improved sniffer which has capability by using the well proven sniffer line SL3000 up to 10 m length.

#### ROTATABLE AND REMOTE CONTROLLABLE DISPLAY

The new touch screen display shows test results and status information even from a long distance. Easy operation via user guided menu structure, even for unskilled operators. A wireless control of the UL3000 Fab is possible via smartphone or tablet - without special software or Apps. Recording and storage of test results via push button can be transferred to other storage media for further analysis.

#### SLIM DESIGN FOR ADVANCED MANEUVERABILITY

A low center of gravity, big wheels, ergonomically designed handle and the slim housing enable good mobility of the UL3000 Fab even in tight spaces.

#### UL3000 FAB ADVANTAGES AT A GLANCE

- Ready to measure at atmospheric pressure
- Perfect mobility due to small turning radius
- Easy operation due to intuitive innovated menu
- Operable by smartphone via webbrowser
- Low maintenance requirement
- Robust vacuum system, insensitive to dirt and contamination
- Accessories available right at the device



Full turnable and remote controllable display

## SPECIFICATIONS

Min detectable leak rate for helium (vacuum method)	< 5 x 10 <sup>-12</sup> mbar l/s
Min detectable leak rate for helium (sniffer mode)	< 5 x 10 <sup>-8</sup> mbar l/s
Max inlet pressure	MASSIVE mode: 1000 mbar
Pumping speed during evacuation	> 32 m <sup>3</sup> /h
Helium pumping speed (high sensitive mode)	4 l/s
Response time	< 1 s
Time until ready for operation	< 3 min
Detectable masses	2, 3, 4 (H <sub>2</sub> , 3He, He)
Ion source	2 filaments, Iridium/Yttria oxide coated
Test port	DN 25KF
Adjustable triggers	4
Interface	2 x USB, Ethernet / LAN
Supply voltage	100 - 240 V 50/60 Hz
Power consumption	typ. 700 VA, max. 1500 VA
Dimensions (L x W x H)	1050 x 472 x 987 mm
Weight	120 kg
Permissible ambient temperature range (during operation)	10 to 40 °C

## ORDERING INFORMATION

PRODUCT	CAT. NO.
ULTRATEST UL3000 Fab	550-200
ULTRATEST UL3000 Fab PLUS (HYDRO-S, Sniffer line SL3000 port)	550-250
<b>ACCESSORIES</b>	
RC1000 remote control, wired, incl. 4m coiled cable	551-010
RC1000WL remote control, wireless, incl. Wireless transmitter	551-015
Sniffer line SL200, 4m length	140 05
Sniffer line SL3000 with integrated display (only for UL3000 Fab PLUS),	
– 3m length	525-001
– 5m length	525-002
– 10m length	525-003
I/O1000 module (input / output module)	560-310
BM1000 Profibus module	560-315
BM1000 PROFINET I/O module	560-316
BM1000 Device Net module	560-317
BM1000 Ethernet/IP	560-318
Data cable (I/O1000 to UL3000 Fab / UL3000 Fab PLUS)	
– 0.5 m	560-334
– 5 m	560-335
– 10 m	560-340
Test Chamber TC1000	551-005
Helium bottle holder	551-201



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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