FEATURES

- Wide measurement range over 15 decades

- Short pumpdown and response time

- Mobile all-metal housing for added convenience with uncompromised maneuverability

- I-CAL (Intelligent Calculation Algorithm for Leak rates)to ensure fastest response time to leaks in all measurement ranges

- Zero function with automatic integration time alignment for fast and reliable leak test results

- Intelligent vacuum design with rugged roughing pump and multiple inlet turbomolecular pump that provides high helium pumping speed with high compression

- Rotatable display and user interface allows simple and easy control and interaction with the unit

- Self-protection features to protect the UL1000 from helium and particle contamination

- Auto purge cycle to ensure clean-up and readiness for leak test

- Software updates via email easily possible

- Rugged mass spectrometer system with two filament ion source (with 3-year warranty) ensures long running time and low maintenance costs

- Built-in test leak for internal calibration to ensure accurate test results

- Built-in software menu "Auto Leak Test" function to perform automatic testing of hermetically sealed components (optional TC1000 Test Chamber)

ORDERING INFORMATION

Type	UL1000 Helium Leak Detector
UL1000, 100 V AC, US mains plug	550-002A
UL1000, 115 V, US mains plug	550-001A
UL1000, 230 V, EU mains plug	550-000A

SPECIFICATIONS

Type		UL1000 Helium Leak Detector
Min. Detectable leak rate for helium (Vacuum mode)	mbar•L/s	<5E-12
Min. detectable leak rate for Helium (Sniffer mode)	mbar•L/s	5E-8
Max. Inlet pressure GROSS mode	mbar	15
Max. Inlet pressure FINE mode	mbar	2
Max. Inlet pressure ULTRA mode	mbar	0.4
Pumping speed during evacuation	m³/h	16 at 50 Hz
Helium pumping speed GROSS mode	L/s	max.8
Helium pumping speed FINE mode	L/s	7
Helium pumping speed ULTRA mode	L/s	2.5
Detectable masses		2,3,4 amu
Mass spectrometer Sector field		180°
Filaments ion soure Iridium/Yttria coated		2
Calibrated built in test leak	mbar•L/s	E-7
Adjustable triggers		2
Interface		RS232
Chart recorder output	V	2x10
In/Outputs		PLC compatible
Permissable ambient temperature (during operation)	°C	+10.....+40
Type of protection		IP 20
Weight	kg	110
Weight	lb.	242
Dimensions (L x W xH)	mm	1068x525x850
Dimensions (L x W xH)	in.	42x21x33
Supply voltages	V (ac)	230(+-10%)50Hz
Power consumption	VA	1100

ACCESSORIES

	UL1000 Helium Leak Detector
ESD Mat	551-002
Helium Bottle Holder	551-001
Remote Control RC1000C, wired, with 4m coiled cable	551-010
Remote Control RC1000WL, wireless, incl. wireless transmitter	551-015
Toolbox, detachable, For UL1000	551-000
Wireless transmitter for RC1000WL	551-020

INFICON