

## Phoenix L300i Technical Information

Helium Leak Detector	PHOENIX	L300i	L300i Dry	L300i Modul
Lowest detectable helium leak rate				
Vacuum operation	mbar l/s	$\leq 5 \cdot 10^{-12}$	$\leq 3 \cdot 10^{-11}$	$\leq 5 \cdot 10^{-12}$ <sup>a)</sup> / $8 \cdot 10^{-12}$ <sup>b)</sup>
Sniffer operation	mbar l/s	$\leq 1 \cdot 10^{-7}$	$\leq 1 \cdot 10^{-7}$	$\leq 1 \cdot 10^{-7}$
Maximum measurable helium leak rate				
Vacuum operation	mbar l/s	> 0.1	> 0.1	> 0.1
Measurement ranges		12 decades	12 decades	12 decades
Maximum permissible inlet pressure	mbar	15	15	15
Pumping speed during pumpdown, 50 Hz/ 60 Hz	m <sup>3</sup> /h	2.5 / 3	1.6/1.8	depending on pump configuration <sup>c)</sup>
Helium pumping speed in the vacuum mode	l/s	> 2.5	> 2.5	> 2.5
Time constant for the leak rate signal	s	< 1	< 1	< 1
Time until ready for operation	min	$\leq 2$	$\leq 2$	$\leq 2$
Power consumption	VA	420	350	200 <sup>c)</sup>
Inlet flange		DN 25 KF	DN 25 KF	DN 25 KF
Dimensions (W x H x D)	mm	495 x 456 x 314	495 x 456 x 314	495 x 456 x 314
Weight	kg	40	35.5	30 <sup>c)</sup>

a) with rotary vane pump TRIVAC D 25 B 25 m<sup>3</sup>/h [50 Hz]

b) with scroll pump 30 m<sup>3</sup>/h

c) for the complete range of appropriate vacuum pumps, please refer to the Oerlikon Leybold Vacuum full line catalog, chapter leak detecting instruments.