

Leybold UL 200 Technical Information

Technical Data	ULTRATEST UL 200	
Smallest detectable helium leak rate (Vacuum mode)	mbar x l x s ⁻¹	< 5 x 10 ⁻¹¹
Smallest detectable helium leak rate (Sniffer mode)	mbar x l x s ⁻¹	< 1 x 10 ⁻⁷
Max. detectable helium leak rate (Vacuum mode)	mbar x l x s ⁻¹	1 x 10 ⁻¹
Measurement ranges		11 decades
Max. inlet pressure	mbar (Torr)	3 (2.25)
Pumping speed during the evacuation process		
50 Hz	m ³ x h ⁻¹ (cfm)	2.5 (1.5)
60 Hz	m ³ x h ⁻¹ (cfm)	3.0 (1.8)
Pumping speed for helium at the inlet	l/s	1
Time constant of the leak signal	s	< 1
Leak rate measurement range	mbar x l x s ⁻¹	1 x 10 ⁻¹¹ to 1 x 10 ⁻¹
Units of measurement (selectable)		mbar x l x s ⁻¹ , atm x cc x sec ⁻¹ , Pa x m ³ x s ⁻¹ , ppm, Torr x l x s ⁻¹ , g/a, oz/y
Time until ready for operation	min	< 3
Mass spectrometer		180° magnetic sector field
Ion source		2 yttrium/iridium long-life cathodes
Detectable masses		2, 3 and 4
Test port		1 x 25 ISO-KF
Dimensions (W x H x D)	mm	490 x 430 x 250
Weight	kg (lbs)	33.5 (74)

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Smallest detectable helium leak rate (Vacuum mode)	mbar x l x s ⁻¹	< 5 x 10 ⁻¹¹
Smallest detectable helium leak rate (Sniffer mode)	mbar x l x s ⁻¹	< 1 x 10 ⁻⁷
Max. detectable helium leak rate (Vacuum mode)	mbar x l x s ⁻¹	1 x 10 ⁻¹
Measurement ranges		11 decades
Max. inlet pressure	mbar (Torr)	3 (2.25)
Pumping speed during the evacuation process TriScroll 600	m ³ x h ⁻¹ (cfm)	25 (14.7)
Pumping speed for helium at the inlet	l/s	8
		(Depends on the type of vacuum pump used)
Time constant of the leak signal	s	< 1
Leak rate measurement range	mbar x l x s ⁻¹	1 x 10 ⁻¹¹ to 1 x 10 ⁻¹
Units of measurement (selectable)		mbar x l x s ⁻¹ , atm x cc x sec ⁻¹ , Pa x m ³ x s ⁻¹ , ppm, Torr x l x s ⁻¹ , g/a, oz/y
Time until ready for operation	min	< 3
Mass spectrometer		180° magnetic sector field
Ion source		2 yttrium/iridium long-life cathodes
Detectable masses		2, 3 and 4
Test port		1 x 25 ISO-KF
Dimensions (W x H x D)	mm	490 x 430 x 250
Weight	kg (lbs)	30.5 (67)