



PROVAC

SALES

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Leybold UL-200

Technical Specifications

Physical Data

Operation of the UL 200 helium leak detector is - as a rule - based on the counterflow principle.

Lowest detectable helium leak rate

Vacuum mode $\leq 5 \cdot 10^{-11}$ mbar·l·s⁻¹

Sniffer mode $\leq 1 \cdot 10^{-7}$ mbar·l·s⁻¹

Greatest helium leak rate which can be displayed

0.1 mbar·l·s⁻¹

Measurement range

9 decades

Detectable masses

2, 3 and 4

Mass spectrometer

180 ° sector field

Ion source

2 cathodes; iridium / yttrium

Max. inlet pressure (in measurement mode)

3 mbar

Equipment-specific processing time

time constant of the leak rate signal
(blanked off, 63 % of the final value) < 1 s

Pumping speed at the inlet

$S \geq 1$ l·s⁻¹ FINE

$S \geq 0.6$ l·s⁻¹ GROSS

Temperature coefficient

≤ 1 % / °C (10 to 40 °C)

Test port

DN 25 KF

Time until ready for operation

< 3 minutes

Electrical Data

Mains voltage (fixed)

100 V \pm 10 %; 50 / 60 Hz

110 - 120 V \pm 10 %; 60 Hz

220 - 240 / 230 V \pm 10 %; 50 / 60 Hz

Power consumption

≤ 350 W

Type of protection

IP 30

Mains cord

2.5 m



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Leybold UL-200 Features & Benefits

- quick start up, extremely fast response time
- oil-free gas admission system
- high sensitivity
- ergonomically designed
- one of the smallest helium leak detectors
- easy to use

Applications

- quality assurance • automotive industry • analytical instruments
- systems manufacture • power station engineering • research & development • semiconductor • high & ultra-high vacuum engineering • industrial series product testing