

4.4 Technical data

Mechanical data

Catalog number 250002V02	PHOENIX Vario
Dimensions (L × W × H)	486 mm x 313 mm x 380 mm
Weight	25 kg
Inlet flange test object	DN 25 KF
Inlet flange prevacuum	DN 25 KF
Display	
Screen diagonal	7 inch
Pixel	800 x 480
Background light	LED
Colors	16.7 M

Electrical data

Catalog number 250002V02	PHOENIX Vario
Main fuse	Circuit Breaker TA45 20A thermal fuse
Max. power	350 VA without mains output for external backing pump 3230 VA max.
Power output for external backing pump	Voltage: Mains input Max. (load) current: 12 A Max. permitted leakage current in failure mode: 2.5 mA
Supply voltage multi-range power unit	100 - 240 V, 50 / 60 Hz
Ingress protection: Power output occupied / not occupied	IP30 / IP20
Excess voltage category	II
Electronic interfaces	REMOTE1, REMOTE2, ACCESSORIES, HDMI, USB, LD, Ethernet

Physical data

Catalog number 250002V02	PHOENIX Vario
Minimum detectable helium leak rate vacuum mode	$5 \cdot 10^{-12}$ mbar l/s
Response time	< 1 s
Maximum inlet pressure	15 mbar

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Helium pumping speed ULTRA	>3.1 l/s
Detectable masses	^4He , H_2 , mass 3
Minimum detectable helium leak rate sniffer mode	$1 \cdot 10^{-9}$ mbar l/s *)
Gas flow through sniffer line SL300	15 - 23 sccm
Measurement range	12 decades
Sound pressure level	< 48 dB(A) **)
Run-up time	110 s
Ion source	2 long lasting iridium cathodes

*) Under normal environmental conditions, the smallest detectable leak rate and leak rate indication is after ZERO $1 \cdot 10^{-8}$ mbar l/s. In special devices, where the air helium is removed, for example, by flooding with nitrogen, the minimum detectable leak rate can be adjusted to $1 \cdot 10^{-9}$ mbar l/s. Please contact Leybold in this case.

**) Typical values at a distance of 1 m from the device. The A-weighted emission sound pressure level at the operator's premises is less than 65 dB (A) at all times for all foreseeable uses of the device. The noise emission measurement declaration was drawn up in accordance with the harmonized standard DIN EN ISO 3744:2011.

Ambient conditions

Catalog number 250002V02	PHOENIX Vario
Max. altitude above sea level	2000 m
Maximum relative humidity	80% at 30°C, linear decreasing to 50% at 40°C
Storage temperature	- 10°C to +60°C
Operating temperature	+ 10 °C ... + 40 °C
Pollution degree	2