

TAPIR HL 1102 A

Leak Detectors



VACUUM SOLUTIONS



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OF THE TAPIR HL SERIES

Portable

Lightweight, compact leak detector ideally suited for work in large plants or at facilities where mobility is important. Oil-free design allows it to operate in any orientation. Convenient self-storing handle makes it easy to carry for short distances and a rugged, custom cut foam-padded case is ideal for shipping the unit long distances by common carrier.

High Performance

High helium sensitivity of $5E^{-12}$ · mbar l/s for vacuum leak checking and $1E^{-7}$ · mbar · l/s for sniffing. Automatic gross, normal and fine vacuum leak test modes for flexibility starting at 15 mbar, Single button startup and shutdown with complete auto calibration using an internal helium calibrated leak. Dual long-life Yttria coated iridium filaments with multi-channel plate electron multiplier for extended performance.

Control and Monitoring

Detachable HMI color display with large characters for easy viewing and standard flexible extendable cable for remote HMI viewing at all angles. HMI equipped with onboard flash drive and SD slot for recording leak test data and storing leak detector parameters.

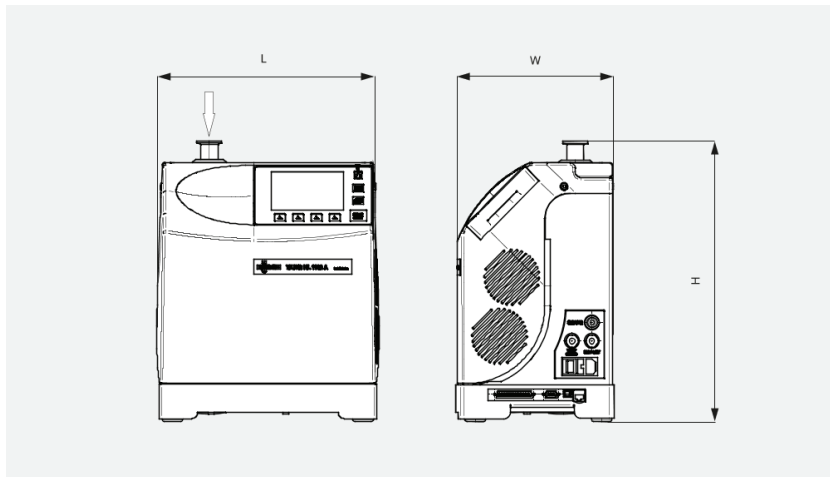
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Dimensional drawing



Product number	Description
0659230705	TAPIR HL 1102 A - 90-240 VAC 50/60 Hz
0995230816	Helium spray kit
0659230817	Sniffing probe, 5m hose, 9cm long tip
0855230820	Transport box
0945232413	Inlet Filter 5 µm (KF25)
0945936278	Inlet Filter 20 µm (KF25)
0945232414	Inlet Filter 40 µm (KF25)

Technical data	Unit type	Value / description
Max helium pumping speed at inlet test port	l/s	1.1
Sniffer response time with 5 meter/16 ft. probe	sec.	1
Helium minimum detectable leak for vacuum	mbar l/s	5×10^{-12}
Helium minimum detectable leak for sniffing	mbar l/s	5×10^{-07}
Detectable tracer gases		^4He , ^3He , H_2
Start up time (20 °C) without calibration	min	<2
Start up time (20 °C) with calibration	min	<3.5
Roughing/backing pump type		Dry diaphragm
Peak Pumping Speed @ 60Hz	m ³ /h (cfm)	2 (1.2)
User interface		Color touch screen (detachable)
I/O interface		RS232 9 pin, RS232 on USB port, discrete I/O
Power supply	VAC @ 50/60 Hz	90 - 240
Max. power consumption	watts	300
Ambient operating temperature	°C (°F)	0 - 40 (32 - 104)
Noise level	dB(A)	54
Weight (approximate)	kg (lbs)	21 (46)
Dimensions (L x W x H)	mm (in)	350 x 254 x 415 (14 x 10 x 16)
Inlet flange		KF25

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info@buschusa.com or 1-800-USA-PUMP



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