

ASM 310

The portable tracer gas leak detector combining ultralight weight and superior performance

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Capable of both vacuum and sniffing tests

Your added value



Small size with maximum sensitivity

Perfect choice for leak-test maintenance

Ever since the advent of tracer gas leak detection technology, portable employment of leak detectors had been limited due to units weights and volumes. The ASM 310 changes the rules. This unit combines superior performances, small footprint, compact size, user-friendliness, long maintenance intervals as well as light weight and portability without any compromises.

Revolutionary advance

The ASM 310 leak detector offers high performances wherever it is needed in a package that has only half of the weight, half the footprint and half of the size of standard desktop leak detectors.

Its clean, oil-free pumping system makes the ASM 310 the perfect choice for leak-test maintenance of systems that do not tolerate any contamination. And it offers unrivalled performance in leak detection applications where portability is key:

- Highly sensitive leak detection in vacuum production systems for semiconductors or coating industry
- Ease of use and measurement in confined spaces, such as accelerators systems for medical and R&D applications
- Convenient handling in industrial environments such as power stations and chemical plants
- A reliable travel companion, ideal for leak detection service providers



**Lightweight and compact
for ease your
maintenance tasks**



Oil free unit



**Large and detachable
color display for easy reading
of test results**

Large touch display for convenient operation

The performance of the ASM 310 is also felt in its bright and high resolution touch display. It provides a clear color differentiation when the unit is in standby or still measuring, and final test results will be displayed in green/red color according to the reject criteria defined. If you need to adapt the settings of the unit, there is an easy access to the main settings parameters through icons directly on the control panel. The large display also allows to see results on a real time scrolling graph, and you can switch from main screen to graph by swiping on the screen with your finger.

Customized settings and sage usage

For more expert users, there is a more complete settings menu to customize the display. The menu is password-protected to safeguard against tampering with the unit's settings. The control panel incorporates magnets, enabling it to be positioned on a metallic support for an even more convenient usage.

Easy data exchange

The USB port on the side of the control panel will allow you to transfer test data from the internal memory of the leak detector. Records can be Bitmap or text files for easy documentation and post-processing of the leak test results.

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Can be operated in any position



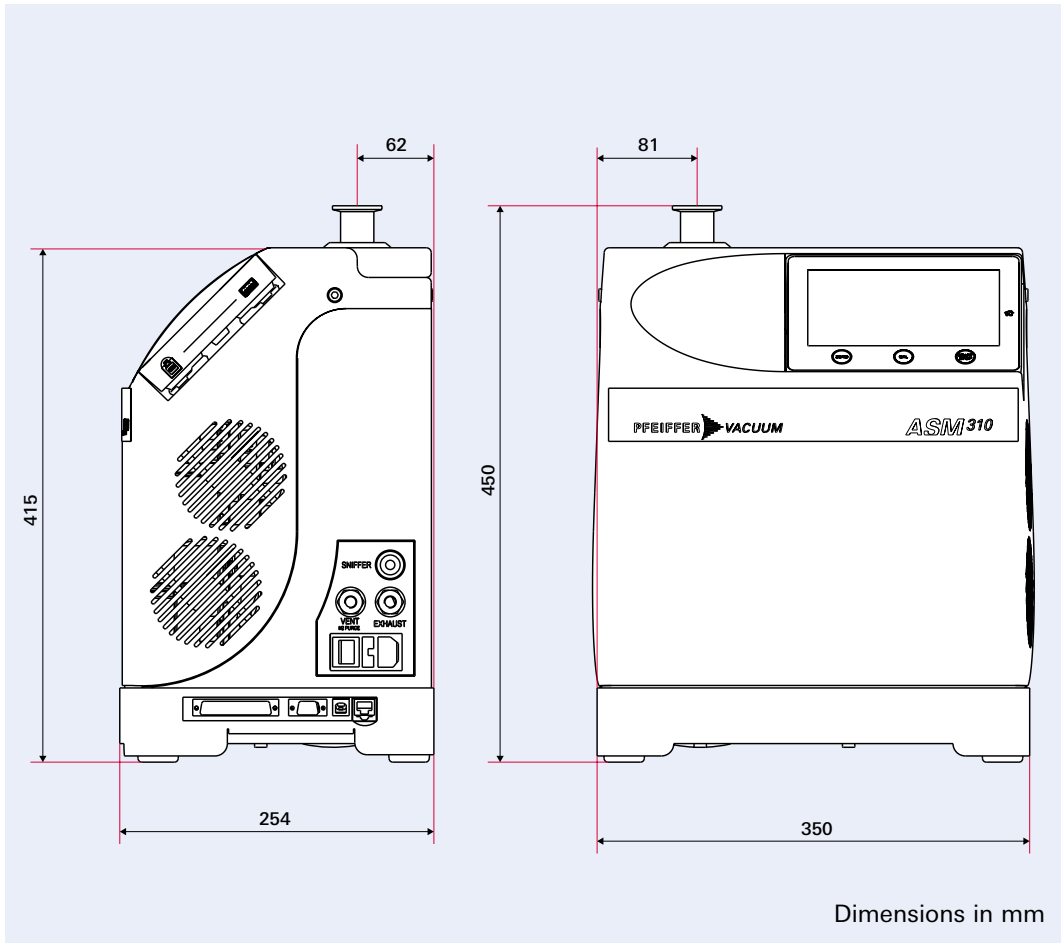
Detachable control panel
(with approx. 2 m cable)



Highly portable with retractable handle

Dimensions

ASM 310



Dimensions in mm

ASM 310

Technical data, order number,
accessories

ASM 310

**1 · 10⁻¹²
mbar·l/s**

Minimum detectable
leak rate for He
(vacuum leak detection)

< 1s

Response time
(sniffing leak detection)



Technical data

	ASM 310
Test methods	Vacuum and sniffing
Minimum detectable leak rate for He (vacuum leak detection)	1 · 10 ⁻¹² mbar·l/s
Minimum detectable leak rate for He (sniffing leak detection)	1 · 10 ⁻⁷ mbar·l/s
Tracer gases	⁴ He, ³ He, H ₂
Maximum inlet test pressure	15 mbar
Roughing capacity	1.7 m ³ /h
Pumping speed for He at inlet	1.1 l/s
Inlet port	DN 25 ISO KF
Warm-up time (20°C)	< 2 min; < 3.5 with autocalibration
Response time (sniffing leak detection)	< 1 s
Interfaces	RS 232, I/O USB port for data transfer
I/O interfaces	Logical input Analog output (mantissa) Analog output (exponent)
Dimensions	350 x 254 x 414 mm (14 x 10 x 16 inches)
Weight	21 kg (46 lbs)
Universal voltage	90-240 V AC – 50/60 Hz
Maximum power consumption	300 VA
Selectable languages	English, French, German, Italian, Spanish, Portuguese, Russian, Japanese, Chinese, Korean

Order number

	ASM 310
Order number	BSAA0200MM9A

Accessories

Accessorie	Order number
Country-specific power cables	
UK	104411
Italy	104758
Switzerland	103718
Remote control	
RC10, wired/wireless	124193
Sniffer probe	
5 m hose length, rigid 9 cm nozzle	SNC1E1T1
10 m hose length, rigid 9 cm nozzle	SNC2E1T1
Other nozzle and tube lengths upon request	
Helium spray gun	
Standard	112535
"Elite-Kit" Spray gun with accessories in a compact case	109951
Other accessories	
Trolley	114820
Transportation case	119594



ASM 310 on a trolley



Remote control RC10

Dimensions in mm

Your Success. Our Passion.

We give our best for you every day –
worldwide!

Are you looking for an
optimal vacuum solution?
Please contact us:

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Errors excepted. All data subject to change without prior notice. PL 0001 PEN (May 2022/PoD)

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