



ASM 340

Best in class leak detector for high reliability testing
in various applications, using helium and hydrogen

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Top performance

The ASM 340 guarantees top performance in vacuum or sniffing leak detection for various applications – from maintenance to applications in small production environments. This dependable leak detector can be used both for qualitative localization of leaks as well as quantitative global or local testing.

The ASM 340 is characterized by its powerful pumping system and available in conventional or dry versions. It is the only leak detector in its class that offers qualitative leak detection starting at 100 hPa before reaching the inlet test pressure. With an unrivaled performance in sniffing* the ASM 340 is the ideal partner for leak localization on pressurized parts. Easy operation, ultra fast response time and short recovery time are among the outstanding features of this compact multi-purpose unit. The ASM 340 is the perfect solution for everyday testing even in severe test conditions.

* $5 \cdot 10^{-10}$ Pa m³/s min.
detectable leak rate for He

Easy operation

The detachable control panel with magnets enhances ergonomics for leak detection on medium or large size parts. Its large, bright and color touch screen makes for a maximum readability of the leak test results. The menu is customizable and can be protected to avoid any unintended operation. Thanks to the wireless remote control, the ASM 340 can easily be operated from a distance of up to 100 m.

For customized applications

As an extension range, the ASM 340 exists also without a backing pump. This ASM 340 I allows to connect a different backing pump, for even more convenience and/or better adaptation to customer application, as for example in case of integration into a leak detection system. The connection for the external backing pump is located at the rear of the leak detector.



Remote control RC 10



ASM 340 I



Analytics



Industry



Research & Development



Coating



Customer benefits

- Fastest time to test in its class
- High backing pump capacity for versatile use
- Rapid response time due to high helium pumping speed
- Unique capability to detect leaks starting at 100 hPa
- Impressive results in sniffing test mode, with $5 \cdot 10^{-10}$ Pa m³/s minimum detectable leak rate for helium
- Low maintenance due to rugged design
- Integrated SD memory card for recording, downloading and parameter setting
- Detachable color control panel for enhanced ergonomics
- User friendly and customizable interface
- Complete range of I/O and Profibus communication available

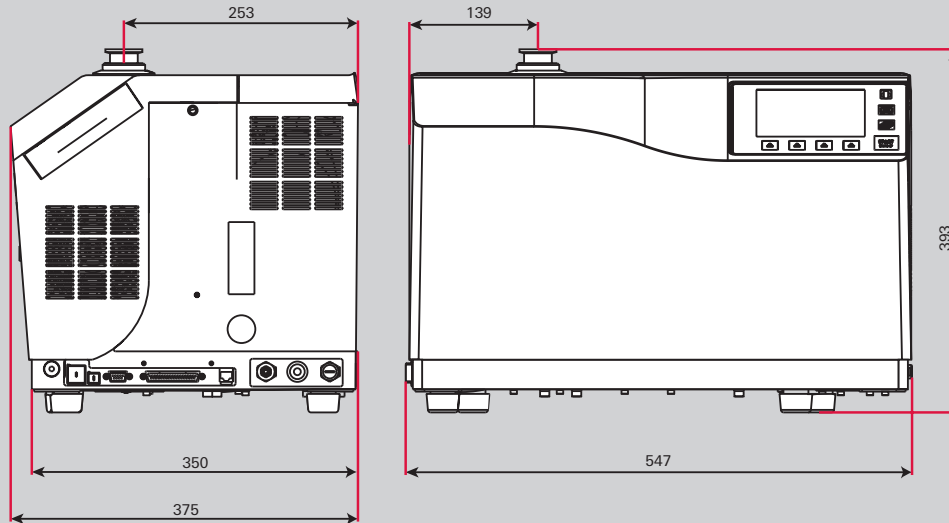
More convenience

- Sniffer probe with LEDs that indicate the measurement status and with a zero button facilitates sniffing leak detection
- Bypass option for the installation of an auxiliary primary pump
- Complete range of I/O and Profibus communication available for an easy integration into production lines



Sniffer probe LP 505

Dimensions



Dimensions in mm

Technical data

| General technical data | ASM 340 |
|---|---|
| Flange (in) | DN 25 ISO-KF |
| Test method | Vacuum and sniffing leak detection |
| Detectable gases | ^4He , ^3He , H_2 |
| Minimum detectable leak rate for He (sniffing leak detection) | $5 \cdot 10^{-10} \text{ Pa m}^3/\text{s}$ |
| Minimum detectable leak rate for He (vacuum leak detection) | $< 5 \cdot 10^{-13} \text{ Pa m}^3/\text{s}$ |
| Pumping speed for He | 2.5 l/s |
| Maximum inlet test pressure | 25 hPa |
| Start-up time (20°C) without calibration | ~ 3 min |
| I/O interfaces | Digital and Analog I/O, Relays |
| Interfaces (see ordering matrix) | RS-232, Ethernet, Bluetooth ... |
| Selectable languages | English, French, German, Italian, Spanish, Russian, Japanese, Chinese, Korean |
| Dimensions | 393 x 547 x 375 mm |

| Specific technical data | ASM 340 | ASM 340 D (dry version) | ASM 340 I |
|-------------------------|---|------------------------------|-----------|
| Backing pump | Rotary vane pump | Diaphragm pump | None |
| Backing pump capacity | 15 m ³ /h | 3.4 m ³ /h | – |
| Power consumption max. | 850 W | 600 W | 350 W |
| Supply | 90–130 V; 50/60 Hz 200–240 V; 50/60 Hz | Universal 90–240 V; 50/60 Hz | Universal |
| Weight | 56 kg | 45 kg | 32 kg |
| Operating temperature | 0–45°C (vacuum) 0–40°C (sniffing) | 0–35°C | 0–40°C |

Order number matrix
ASM 340

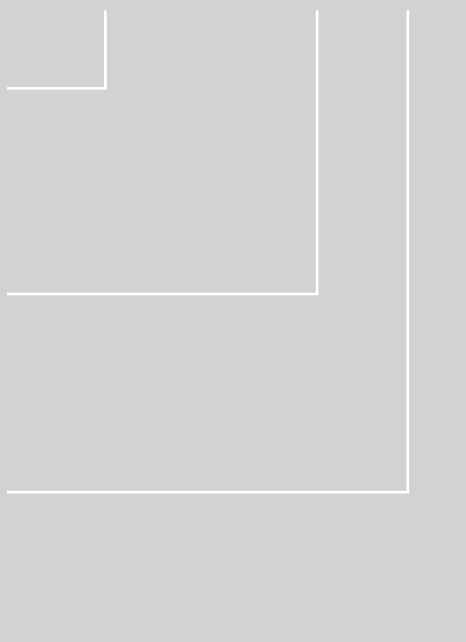
Order number
abc A 0 0 A d M e 9 f

| Leak detector | XXX |
|----------------------------------|------------|
| ASM 340 | JSV |
| ASM 340 D (dry version) | KSB |
| ASM 340 I (without backing pump) | MSX |

| Interface board | d |
|-------------------------------|----------|
| Basic 15 Pins I/O | 0 |
| Basic 15 Pins I/O + Bluetooth | 1 |
| 37 Pins I/O | 2 |
| 37 Pins I/O + Ethernet | 4 |
| 37 Pins I/O + Bluetooth | 5 |

| Supply | e |
|--|----------|
| 90–130 V, 50/60 Hz, US Power cable (only for ASM 340) | L |
| 200–240 V, 50/60 Hz, EU Power cable (only for ASM 340) | H |
| Universal 90–240 V, 50/60 Hz (only for ASM 340 D + I) | M |

| Personalization | f |
|---|----------|
| No | A |
| Japan (not available for ASM 340 D and ASM 340 I) | B |



Order number accessories

| Accessories | Order number |
|---|---------------------|
| Country-specific power cable | |
| UK | 104411 |
| Italy | 104758 |
| Switzerland | 103718 |
| Remote control, 5 m cable | |
| Leak rate in mbar l/s, front panel in English | 106688 |
| Leak rate in Pa m ³ /s, front panel in English | 108880 |
| Wireless remote control | |
| RC 10 | 124193 |
| Transport cart | |
| Transport cart, 2 wheels, for ASM 340 and ASM 340 D (not for ASM 340 I) | 122570 |
| Spray Gun | |
| Standard | 112535 |
| “Elite kit” spray gun with accessories in a compact case | 109951 |
| Standard sniffer probe | |
| 5 m hose length, rigid 9 cm nozzle | SNC1E1T1 |
| Other nozzle and hose lengths upon request | |
| Sniffer probe with Pass/Fail indication and Zero button | |
| LP 505, 5 m hose length, rigid 12 cm nozzle | BG 449 208-T |
| Bypass option | |
| With European cable | PT 445 411-T |
| With US cable | PT 445 413-T |
| Interface | |
| Profibus | 122253 |

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