



ASC 7400S.2



www.ascinstrument.com

Leak tester for flexible packaging

Non-destructive leak testing



The **ASC 7400S.2** is a self-contained automatic leak tester for flexible packaging. It is suitable for manual operation, as well as semi- or fully automated inspection stations. It allows a quick, clean, dry inspection of the products without altering these, without any risk of operator influence.

A wide variety of packaging and flexible products can be tested by the ASC 7400S.2.

The **ASC 7400S.2** is designed to replace destructive leak tests prescribed by standards. Its high accuracy allows testing at the same or even finer levels than the traditional methylene blue dye method. It quantifies the degree of tightness.

Benefits of the ASC 7400S.2:

Non-destructive test

- ✓ Tested packs can return to production line and be sold => **waste reduction and cost saving**
- ✓ No need for disposal of tested packs and product => **cost saving**
- ✓ Speed: quick test, higher sampling frequency possible => **better process control**
- ✓ 100% test possible on critical batches => **zero risk possible**
- ✓ 100% test possible on rejected batches => **allows recovery of good products**

Physical measurement of leaktightness level

- ✓ The measured value is **calibrated to a standard**, traceable to National Standards
- ✓ Test results are **not dependant on operator** (attention, eyesight, concentration)
- ✓ Objective, automatic comparison against reject level => **no interpretation required**
- ✓ SPC (Statistical Process Control) possible => allowing **closer process monitoring & quicker intervention** in case of drift of sealing operation

Traceability of results

- ✓ Test results output in pdf Batch Report on USB flash drive
- ✓ Output to network/PC in pdf or Excel format, allowing statistical analysis

Implementation assistance:

- ✓ Assistance from ASC Instrument Application experts
- ✓ Qualification services
- ✓ Reference packs and calibrated leaks with certificate for process qualification

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Vacuum leak test

This measurement allows testing of sealed packs, bags etc. The method involves gradually depressurising the test chamber, isolating it and measuring the pressure variation inside the pack over a short period. This variation accurately reflects the level of tightness.

Reference packs and calibrated leaks may be used for correlation with leak flow.

Measurement cycle

- Insert product, close drawer
- Depressurisation Test Chamber
- Stabilisation
- Test (measurement of pressure variation)
- Result display
- Release (return to atmospheric pressure)

Standard test pressure: -10 to -60 kPa

Options and ancillaries

- Vacuum-packaging version (-99 kPa)
- Option large chamber 1020 x 520 x 120 mm
- USB port (results output)
- Network/PC port (RJ45)
- Remote control box
- Remote Unlock box (remote unlock on Fail)
- Remote display
- Batch Report (pdf and Excel)
- Label printer
- Custom label (logo, operator ID, batch Nr)



Bar code reader



3-colour status light column

Ancillaries:

- Filtration kit
- Purification unit
- Vacuum pump
- Reference packs
- Calibrated leaks

Specifications

Dimensions

963 x 373 x 720 mm (w x d x h)

Weight : 120 kg

Standard chamber size (max. pack size) :

430 x 300 x 130 mm (w x d x h)

Communication

Graphic 5.7" touch screen

Power supply

24 V DC/ 5 A (adapter supplied)

Air supply

Clean and dry air, quality to ISO 8573-1

-100 and 700-800 kPa

Temperature

Operation : +15°C to + 25°C

Storage : 0°C to 60°C



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