



ASC 7400XS

www.ascinstrument.com

Integrity test for flexible packaging Non-destructive



The **ASC 7400XS** is a self-contained leak tester for small flexible packaging. It is suitable for manual operation and can be adapted for use in semi- or fully automated inspection stations.

User-friendly and ergonomic

A clear large touch screen ensures easy and intuitive communication; opening/closing and inserting a product requires no particular operator effort.

The ASC 7400XS has been developed to replace traditional destructive leak tests and visual vacuum checks. It **quantifies** the level of integrity with objective measurements, supporting qualifications, validations, audits, etc. In addition, it verifies the seals' **resistance** to a certain internal pressure.

Benefits

Non-destructive :

- ✓ Tested packs remain intact and can continue their way to the Customer
- ✓ Cost of test-generated waste is drastically reduced
- ✓ Testing can be intensified to monitor sealing process closely and correct drift early
- ✓ Critical or quarantined batches can be 100 % tested

Physical measurement of level of airtightness :

- ✓ The measured value can be calibrated to a standard.
- ✓ Results are not operator-dependant.
- ✓ Deterministic test, compares to known references.

Traceability :

- ✓ Results are stored
- ✓ Batch Report in pdf format (Excel possible)
- ✓ Output via network (RJ 45, FTP) (or USB)

Expert support :

- ✓ First class support by specialists at each stage of project
- ✓ Method and validation studies
- ✓ Reference Packs with Calibrated Leaks
- ✓ Qualification Services

Integrity tester for flexible packs ASC 7400XS

Vacuum-based test method developed & patented by ASC Instrument

A wide range of flexible packaging (sachets, packs, pouches, etc.) can be successfully tested with this method. The instrument gradually installs a vacuum in the test chamber containing the product. This will « inflate » and make contact with a pressure sensor, which measures the internal pack pressure in a non-intrusive manner. After stabilisation, the variation of this pressure (“ ΔP ”) is used to establish the degree of airtightness. A ΔP exceeding the Acceptance Level indicates an insufficient level of integrity.

The test leaves the product **perfectly intact**.

It allows detection of **micro-leaks** (a few μm) as well as **large leaks**.

Measurement cycle

1. Insert product, close lid and press start
2. Vacuum build up
3. Stabilisation
4. Test (ΔP measurement)
5. Release to atmospheric pressure

Standard vacuum range : -10 to -80 kPa (-100 to -800 mb)

Options and accessories

- Version for vacuum-packed products (**-99 kPa**)
- Version test chamber 430 x 300 x 140 mm
- Version test chamber 815 x 815 x 100 mm
- Version test chamber 1020 x 520 x 120 mm

- Network port RJ45
- Batch Report (pdf)
- USB port
- I/O's for automation
- Reference Pack
- Calibrated Leaks
- Label printer
- Vacuum pump
- Instrumented packs



Bar code reader



Light column

Specifications

Physical

Width = 465 mm

Depth = 530 mm

Height = 355 mm

Weight = 25 kg

Standard test chamber (max pack size) :

216 x 162 x 100 mm

Operator interface

5.7" touch screen

On-screen result indicators

Power

24 V DC/ 5 A (laptop type adapter included, input 90-240 VAC)

Vacuum supply

-100 kPa

Temperature

Operation : +15°C to +25°C

Storage : 0°C to +60°C



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