

HKM-STY01 Integrated Vacuum Sealing Tester

>>> Instruction <<<

Product Model:HKM-STY01 Sealing test instrument

Suitable for negative pressure sealing leakage tests and microbial invasion tests of medicinal glass bottles, vials, plastic solid bottles, blister packaging, aluminum-plastic soft bags, syringes, pipettes, vacuum packaging bags, cans, milk powder bags, aluminum foil bags, eye drops bottles, medical device packaging, liquid bags, jelly cups, caps, cosmetic bottle bags, and daily chemical products and other packaging materials.

Application Fields: Widely applied in industries such as pharmaceutical manufacturers, pharmaceutical packaging material producers, drug inspection centers, medical device companies, food enterprises, and cosmetic enterprises for the detection of sealing integrity.



Test Principle:

By evacuating the vacuum chamber, an internal and external pressure difference is created in the sample immersed in water. The escape of gas within the sample is observed to determine the sealing performance of the sample. By evacuating the vacuum chamber, a pressure difference is created in the sample, and the expansion of the sample and the recovery of its shape after releasing the vacuum are observed to determine the sealing performance of the sample.

This complies with standards such as GB/T 15171 "Test Method for Sealing Performance of Flexible Packaging Containers" and ISO.

Product Features:

- ★ Touch screen control, making operation more convenient. Curve display of data results is more intuitive.
- ★ Vacuum chamber is made of high-transparent organic glass, sturdy and durable.
- ★ Multiple working modes, supporting multi-segment constant pressure detection, and supporting simple and convenient detection.
- ★ Automatic constant pressure replenishment to ensure the experiment is conducted under the preset vacuum.
- ★ Use of vacuum components, stable performance, and long-lasting durability.
- ★ One-click operation, automatic vacuum replacement, automatic termination of the test, and automatic venting.
- ★ Multiple unit selection: KPa, MPa, Bar, PSI.
- ★ Built-in storage function, capable of storing up to 500 historical data.
- ★ Free switching between Chinese and English operating systems.
- ★ Multiple constant pressure segments, curve display, and support for audit tracking function.
- ★ Built-in printer, one-click printing of test results.
- ★ No need for external air source, simple and elegant design, and lower noise.

Technical parameters:

Host box size: 400X300X200mm

Operating voltage: 50Hz, AC 220V

Vacuum pump power: 200W

Vacuum pumping rate: 108L/min

Vacuum degree setting range: 0 to -90KPa

Outer diameter size of the sealed container: $\Phi 300 \times 300$ mm

Standard vacuum chamber effective size: $\Phi 270 \times 190$ mm

Standard vacuum chamber volume: 15L

Pressure retention time: 0 - 999S

Time control accuracy: 1s

Inflation rate: 2KPa.L/S

Operating environment: -20 to 50°C (3 minutes of startup trial operation are required at -20°C to 0°C)

Total weight of the machine: approximately 25KG

