Filter Integrity Tester Integtest



V8.0

Features

- Using Chinese and English bilingual interface
- Powerful, covers all existing test methods regarding the integrity of the filter
- The instrument comes with an audit trail function, truly meets the requirements of data integrity
- Multiple pressure units can be switched flexibly (mbar,kpa,psi,kgf/cm2)
- Can test most up to 12-core 20-inch filter cartridges, which greatly improves the user's work efficiency
- To meet offline online testing, using pressure sensors with higher accuracy and lower deviation bands to improve the test accuracy of the instrument
- The built-in thermal printer avoids the risk of particle and ink contamination, and can keep the handwriting clear for more than 10 years under appropriate conditions
- Can establish 1000 sets of pre-stored programs, which can fully meet multiple filter types and different test conditions in the field, and the instrument is more simple and intelligent
- Support USB disk data export function, which can not only export the original test data, but also the source data and configuration data, so that the data integrity requirements are perfectly reflected in the instrument; if single data can export PDF style directly
- Adopt optimized Linux system
- Optimized test operation and shortened test time
- 10-inch true-color touch screen design, friendly human-machine interface, simple, fast and reliable operation
- The first domestic company to implement the integrity test of an ultrafiltration system
- Test records and audit trails of the instrument both can be queried and exported
- Can expand data communication and network interface requirements according to customer requirements, and support wireless communication functions
- External interfaces can be customized according to customer requirements, which is convenient for customers' automated control and management
- Automatic self-test function, self-test of multiple performance functions of the instrument itself, after turning on the instrument has instrument self-test function, report faults in time
- Increased the display curve of diffusion flow-pressure, realized the display and printing function of three curves, optimized the air intake control unit, and greatly increased the air intake speed and stability
- High-precision sensors and optimized algorithms can extend the gas path to 100m, make the upstream volume test more accurate, and the instrument can better meet the conditions of field use without affecting the test results
- Scientific user management, password login, user classification, electronic signature, etc., in compliance with GMP and FDA CFR 21 part 11, support multi-level user access permission settings, ensure data integrity, have comprehensive audit trail functions, and support manual or electronic signature
- The independent R & D team can design specific solutions according to the needs of customers. Many years of field experience and strong professional services not only ensure that customers can use the instrument at ease, but also provide technical support for the design and configuration of customer filtration systems
- Optimize the structure of the instrument so that its dustproof and splashproof level reaches IP54, and use quick connectors (Staubli connectors can be used) to avoid incorrect connection of the inlet and outlet pipes
- 1000 user accounts, four level of user management, and each user's authority can be determined by default or customized methods, more flexible to meet the needs of on-site production and laboratory management, and perfect user information and authority configuration
- Rich data interface, the instrument not only includes standard digital and analog interfaces (RS232 / USB), but also can customize a variety of industrial buses and analog control ports according to customer needs to prepare for intelligent upgrade of the system, such as online full automation supporting bacteria control system

Parameters

Power Supply	100–240 VAC, 50HZ, 120W
Operation Pressure	100-10000 mbar (150psi)
Unit	Mbar, kpa, psi, kgf/cm2
Operation Condition	Ambient Temperature: +5°C ~ +40°C; Relative Humidity: 10-80%
Dimension(mm)	480(Depth) ×300 (Width) × 210(Height1)
Function	Manual Bubble point Test; Basic Bubble Point Test; Extensive Bubble Point Test; Pressure Holding Test; Diffusion FLow Test; Water Immersion Test; Ultrafitration Membrane Test
Test Accuracy	Upstream Volume Test: ± 4%; Bubble Point Test: ± 50mbar; Diffusion Flow Test: ± 4%; Water Immersion: ± 0.01ml
Test Scope	BP: 100-8000mbar DF: 1-900ml/min WI: 0.01-100ml/min
Applied Range	Symmetric and asymmetric membrane test, needle filters, capsule filters, flat filters, cartridge filters (within 12 cores and 20 inches), ultrafiltration membrane packages, ultrafiltration columns, various irregular filters
Audit Trial	Audit trail records can exportable and ireeversible
Authority Management	User Name and Password to Login, 4 Authority Grades, meeting the FDA 21CFR PART 11requirements
Reservation Solution(programs)	1000sets
Audit Trail Record Storage	≥5 years storage
Number of Users	1000sets
Operating System	Linux system
Operation Interface	Chinese and English bilingual operation interface
Dust and Splash Level	IP54, Front is IP65
Print Function	Built-in printer, can control on PC; choose subject
Historical Record	300000 sets records storage
Records Copy	Support USB disk to export (include test curve)
Display Screen	High definition 10 inch, color touch screen
Language	Chinese/English
Work Mode	Online/Offline
Applicable Environment	Above D level
Weight	10KG