

# Filter Integrity Tester



**Full-Automatic  
Filter Integrity Tester**  
**FIT-3600**



**Full-Automatic  
Filter Integrity Tester**  
**FIT-3100**



**Full-Automatic  
Filter Integrity Tester**  
**FIT-3400**



**Glove Integrity Tester**  
**GIT-3200**



**Electronic Heater Jacket**

EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## Full-Automatic Filter Integrity Tester FIT - 3600



### ►► Features

- Powerful functions, covering all the existing test methods for the filter integrity testing;
- The first domestic implementation of integrity testing for the ultrafiltration system;
- Scientific authority management design, password, permissions, authority grading, electronic signature, etc., in full compliance with 21 CFR PART 11 requirements;
- It can create 80 groups of reservation solution, so the instrument is more simplistic and intelligent;
- It can carry out detection for up to 9-core 20-inch filter cartridge, greatly improving the work efficiency of the user;
- With rich data interface, the instrument not only includes the standard configuration of digital and analog interface (RS232/USB), but also can customize a variety of industrial bus and simulation control port according to customer's need, in preparation for the intelligent system upgrade, such as the complete set of online automatic sterilization control system;
- Independent research and development team can carry out the design of specific solutions according to the needs of customers; Many years of field experience and strong professional services can not only ensure that the customers use the instrument at ease, but also can provide the technical support for the design and configuration of the filter system of the customers;

## ►► Specification

Power Supply	100 – 240 VAC, 50HZ, 120W Spare battery (Selection)
Operation Pressure	100-10000 mbar (145psi) ;
Unit	mbar
Operation Condition	Ambient Temperature: +5°C ~ +40°C; Relative Humidity: 10-80%
Dimension(mm)	400 (Depth) x 240 (Width) x 270 (Height1) x 220(Height2)
Function	Manual Bubble point Test; Basic Bubble Point Test; Extensive Bubble Point Test; Pressure Holding Test; Diffusion FLOW Test; Water Immersion Test; Ultrafiltration 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: 1-600ml/min WI: 0.01-100ml/min
Applied Range	Symmetric and asymmetric membrane test, needle filter, filter bag, flat filter, filter cartridge (9 core within 20 inches), ultrafiltration membrane, ultrafiltration column, a variety of irregular filters
Authority Management	User Name and Password to Login ,4 Authority Grades, meeting the FDA 21CFR PART 11 requirements
Reservation Solution	80 sets
Print Function	Built-in printer
Historical Records	More than 5000 sets unlimited sets records
Records Copy	Support USB disk to export (Include test curve)
Display Screen	7 inch, color touch screen
Serial Connection	RS232/USB
Language	English
Work Mode	Online/Offline
Applicable Environment	Above B level
Weight	7.5KG



# Full-Automatic Filter Integrity Tester

## FIT - 3400



### ►► Features

- Automatic air inlet design, to ensure efficiency and test accuracy at the same time;
- The instrument actually measures the up stream volume, so the test result is more accurate;
- Domestic first model to introduce water immersion method;
- Widely used by customers, with a high market share and cost performance;
- Automatic control of air intake level, with a smooth and safe air intake, to ensure the service life of filter.

### ►► Specification

Power Supply	100 – 240 VAC, 50HZ, 120W
Operation Pressure	100-8000mbar (115psi)
Unit	mbar
Operation Condition	Ambient Temperature: +5°C ~ +40°C; Relative Humidity: 10-80%
Dimension(mm)	400 (Depth) x 240 (Width) x 270 (Height1) x 220(Height2)
Test Function	Manual Bubble point Test; Basic Bubble Point Test; Extensive Bubble Point Test; Diffusion Flow Test; Water Immersion Test
Test Accuracy	Upstream Volume: ± 4%; Bubble Point: ± 50mbar ; Diffusion Flow Test: ± 4% ; Water Immersion Test: ± 0.01m
Test Scope	Bubble Point : 590-6900mbar Diffusion Flow Speed: 1-180ml/min WI: 0.01-30ml/min
Applied Range	Symmetric and asymmetric membrane test, needle filter, filter bag, flat filter, filter cartridge (3 core within 20 inches)
Print Function	Built-in printer
Historical Records	500 sets
Records Copy	Support USB disk to export (Include test curve)
Display Screen	5.7" TFT, Single color
Serial Connection	RS232
Language	English
Work Mode	Online/Offline
Applicable Environment	Above B level
Weight	7.5KG

# Full-Automatic Filter Integrity Tester

## FIT - 3100

### ►► Features

- All English operation, mainly used for early exports;
- It has system self-checking function, with an error report function for the system tightness and wrong operation;
- It is microcomputer control of automatic detection, with many kinds of test functions such as bubble point scanning, fast bubble point test and pressure holding method;
- Real-time print of test results;
- It can be used to test the single core filter and multi-core filter



### ►► Specification

Power Supply	100 – 240 VAC, 50HZ, 120W
Operation Pressure	100-8000mbar (115psi)
Unit	mbar
Operation Condition	Ambient Temperature: +5°C ~ +40°C ; Relative Humidity: 10-80%
Dimension(mm)	400 (Depth) x 240 (Width) x 270 (Height1) x 220(Height2)
Test Function	Pressure Holding Test; Bubble Point Test; Bubble Point Scanning Test
Test Accuracy	Bubble Point Test: ± 75mbar
Test Scope	Bubble Point : 590-6900mbar    Diffusion Flow Speed : 1-180ml/min
Applied Range	Symmetric and asymmetric membrane , needle filter, filter bag, flat filter, filter cartridge (3 core within 20 inches)
Print Function	Built-in printer
Historical Records	20 sets
Records Copy	Support USB disk to export (Include test curve)
Display Screen	3.2", single color
Serial Connection	RS232
Language	English
Work Mode	Online/Offline
Applicable Environment	Above B level
Weight	7.5KG

## ▶▶ Selection guide

Function / Model	FIT-3600	FIT-3400	FIT-3100	Custom-made
Basic Bubble Point Test	√	√	√	Can be customized according to customer's actual require
Extensive Bubble Point Test	√	√		
Pressure Holding Test	√		√	
Diffusion Flow Test	√	√		
Water Immersion Test	√	√		
Ultrafiltration Test	√			
Input Method	English/Number	English/Number	English/Number	
Electronic Signature	√			
Reservation Solution		80sets		
Screen		Touch Screen		
Historical Records	more than 5000sets	500sets	20sets	
Records Print	√	√	√	
Export Data	√			

## Glove Integrity Tester

### GIT - 3200



#### ►► Features

- The instrument adopts a small amount of frequent air inlet mode, with uniform inlet velocity in gloves, to avoid gloves deformation.
- It is equipped with color touch screen and humanized interface design, according to different test parameters, for automatic selection and matching, which can be most adaptive to the current gloves test procedure, date and time display;
- The authority management and electronic signature design is in line with the 21 CFR part 11 for certification requirements of electronic records and electronic signature;
- It is convenient to move, easy to carry and quick to connect;
- Historical records can be used for print, storage and query.

#### ►► Specification

Working power supply	AC 220V 50Hz
Rated power	120W
Testing duration	2-8min
Pressure range	500-5000Pa
Response value	≤ 50Pa
Noise	≤ 50dB(A)
Working mode	Continuous work
External gas source	Compressed air, nitrogen, inert gas
Sealing pressure	≤ 0.8Mpa
Historical record	10000 groups
Print Function	Built-in Printer
Overall dimensions	370mm x 220mm x 210mm
Weight	7.5KG
On-line gloves tray	Custom-made

## Electronic Heater Jacket



The instrument is composed of high performance composite heating material and control unit, and it has been widely used in biotechnology, pharmaceutical and electronics and other fields.

### ►► Features

- It can fully meet the provisions of the new version of GMP;
- Modular design, which can facilitate the system upgrading and reconstruction;
- Good human-machine interface, which can facilitate the operation and control of personnel;
- Special protective performance, which can satisfy the uses in various environments;
- Customized insulation sheath, which can improve the heating efficiency and save the energy;
- Humanized design, which can greatly improve the security of the operation.

### ►► Application

- The drying of condensate of breathing apparatus on the water storage tank in pharmaceutical industry;
- The temperature control of bioreactor and reaction kettle in biotech industry;
- The temperature control of the high viscosity material in the membrane separation;
- The temperature control of water system in electronics industry.



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



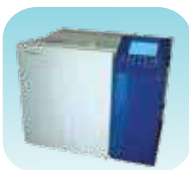
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Counter



Optical Emission  
Spectrophotometer



DSC/TGA



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Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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