



Automatic Particulate Filter Efficiency PFE Tester GT-RA09



Application:

Particulate filtration efficiency (PFE) tester is suitable for rapid, accurate and stable detection of the filtration efficiency of various medical and daily protective masks, respirators, etc.

PFE Tester Feature:

1.Flow detection: The system test flow is mainly provided by dry and clean compressed air from the outside. Internal voltage stabilization and flow

stabilization devices to ensure the stability of the detected flow, and the automatic control system is simple, fast and stable.

2.Test results: equipped with 7-inch touch screen, the test results are displayed directly on the interface, the user can choose to directly or save the data.

3.Data port: external memory card, export data without worrying about data loss.

4.Resistance detection: The resistance pressure difference of the filter material will be obtained through the static pressure ring of the upstream and downstream test chambers, adopt high-precision imported brand differential pressure transmitter to ensure the accuracy and stability of differential pressure.

5.Simple operation: the user only needs to place the filter paper in the fixture and press the button to adjust the test flow, the system will automatically test the resistance and efficiency through the controller (PLC).

Particulate Filtration Efficiency Tester Option Models

Model	GT-RA09A	GT-RA09B-1	GT-RA09B-2	GT-RA09C
Aerosol	Salt or Oil	Salt+Oil	Salt or Oil + Latex Spheres	Latex Spheres
Aerosol Channel	One	Two	Two	One
Efficiency detection	0.1-10 μ m Photometer		0.1-10 μ m Photometer 0.1-5 μ m Particle counter	0.1-5 μ m Particle counter
Standards	EN149, EN143, JIS/T 8151, NIOSH-42 CFR84 GB 2626, GB/T 32610, GB/T 19083		ASTM F2100 9.3, ASTM F2299 EN149, EN143, JIS/T 8151, NIOSH-42 CFR84 NBR15052 GB 2626, GB/T 32610, GB/T 19083	ASTM F2100 9.3, ASTM F2299
Control mode	Laptop computer + English operation software			

Oil aerosol type: DEHS, DOP, Paraffin

Model	GT-RA09
Test flow range	15L / min ~ 100L / min, accuracy 2%
The air flow cross-sectional area	100cm ²
Resistance test range	0 ~ 1000Pa, accuracy can reach 0.1Pa
Filtration efficiency test range	0 ~ 99.999%, resolution 0.001%
Test time	Simultaneous efficiency and resistance test: 70s
Test range	0.001 - 300mg/m ³
Power supply	1phase 220V 50Hz