



## Mask Tightness Tester GT-RA12-3



### Application:

In order to prevent infection at the medical site and during labor work, workers must be protected from inhalable hazardous substances in the workplace, and respirators such as masks must be worn during work. Select a respirator, such as a mask, based on your facial features, and evaluate the tightness between the respirator, such as a mask and the face, to check whether there are gaps or leaks that put workers at risk. The mask tightness tester can quickly complete the tightness test of respirators such as masks to ensure that it provides good protective performance. Security experts will also develop protection schemes and standard regulations based on the results of the tightness test. Widely used in hospitals, manufacturing plants, production sites, fire-fighting workplaces and

other official testing agencies.

### Standards:

GB 19083-2010 Technical Requirements for Medical Protective Masks

GB2626-2019 Respiratory protection—Non-powered air-purifying particle respirator

### Features:

1. Quantitative tightness test for respirators such as masks (QNFT)
2. Applicable to 100/99 / P3 / HEPA series mask disposable filter mask tightness test (including
3. N95 / N90 / KN95 and other disposable dust masks)
4. Adhesion test of half mask and full face mask
5. Gas mask tightness test
6. PAPR mask tightness test
7. SCBA respirator mask tightness test
8. 7inch true color touch screen
9. Independent or computer controlled
10. Using CNC technology
11. English, French, Spanish, Portuguese, Chinese language switching display
12. Complies with US OSHA standards, Canadian Standards Association (CSA) guidelines, including N95
13. Equipped with a variety of communication interfaces (USB, Ethernet), and can also enable WIFI

### Instrument characteristics

How to choose a high-quality mask not only depends on the filtering efficiency of the mask, but also to confirm whether the mask is completely in contact with the face, otherwise aerosol particles such as germs that have not been filtered by the mask will be inhaled from the inadequate adhesion.

Therefore, it is very important to check the wearing status of the mask. The European and American countries have listed the application test of the mask as a strong inspection item.

For example, the N95 mask is one of 9 types of particulate protective masks certified by NIOSH (National Institute of Occupational Safety and Health). "N" indicates oil resistance. "95" indicates that the particle concentration in the mask is more than 95% lower than that of the particles outside the mask when exposed to the specified number of special test particles. N95 is not a specific product name, as long as it

meets the N95 standard and passes the NIOSH review, it can be called "N95 mask".

N95 type masks, in addition to the filtering efficiency of the masks, the closeness of the masks to the face is one of the important factors that determine the effectiveness of the use of the masks. The suitability of different types of masks for the human face varies greatly. Therefore, before using a mask, the suitability of the mask should be checked first. During the tightness test of the wearer's face, ensure that air can pass in and out through the mask when it is close to the edge of the face.

The mask tightness tester can quickly complete the tightness test of respirators such as masks to ensure that it provides good protection performance.

Our mask tightness tester uses CNC technology, suitable for 100/99 / P3 / HEPA series masks disposable filter mask tightness test (including disposable dust masks such as N95 / N90 / KN95), gas masks / breathing masks, Adhesiveness test of half-mask and full-face mask, independent or computer control, five languages switch display, equipped with multiple communication interfaces (USB, Ethernet), WIFI can also be enabled, one computer can control four instruments at the same time.

### Key Specification

Model	GT-RA12-3
Concentration range	0 ~ 100,000 / cm <sup>3</sup>
Grain diameter	0.02 ~ 1.0μm
Flow	Sampling flow: 100cm <sup>3</sup> / min Total flow: 700cm <sup>3</sup> / min
Closeness coefficient test	direct test (Cout / Cin)
Liquor	99.5% + isopropanol (analytical grade)
Display	7inch true color touch screen
Communication interface	USB × 3 (Host × 2, Device × 1) Ethernet interface × 1
Connection port	environment port, sampling port
WIFI	equipped
Languages	English, French, Spanish, Portuguese, Chinese
Flow control	sensor control
PC controllable operation	one computer can control 4 instruments at the same time
Data output format	Microsoft Excel
Working temperature	15 ~ 35 °C

Power supply	AC 110 ~ 240V 50 / 60Hz
Appearance size	208×117×262mm
Weight	2.1kg

### Accessories:

Standard Accessories	Alcohol reagent bottle
	Protective cap
	Reagent stick
	Zero-count filter
	Strainer
	Sampling tube
	Instruction manual
	AC adapter
	Touch screen pen
Optional accessories	Computer
	Test kit for tightness coefficient