

CINSUN

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Flame Retardant Tester
for medical mask

F149

F149 flame-retardant tester for surgical mask

— Flame-retardant property test for surgical mask

F149 Flame-retardant tester for surgical mask, In case of the mask is accidentally exposed to flame, its flame-retardant performance is directly related to the safety of medical personnel. The flame-retardancy of mask is one of the important physical indicators for measuring the quality of surgical masks.

F149 flame-retardant tester for surgical mask

1. The test principle of the instrument is to install the mask sample to the head model rack under the actual use state. The mask sweeps over the flame igniter with a constant line speed with the head model, observes the burning condition of the mask, records the times of after-burning and smoldering, so as to assess whether the mask is qualified.

2. The box-type observation window is designed with a safe operation port for easy operation and observation of the test process. The head model is made of metal material and can withstand high temperature, and can be automatically ignited and used for a long service life.



Standards compliant

GB 19083-2010 Technical Requirements for Medical Protective Masks , 5.5 Performances of Synthetic Blood Penetration and Barrier

YY 0469-2011 Technical Requirements for Medical Surgical Masks, Blood Penetration Test Device

GB 2626-2006 Respiratory protective equipment, Filtered particulate respirator, Flammability

BS EN136-1998 Respiratory protection equipment Full Face Mask Requirements , test , sign

F149 flame-retardant tester for surgical mask — several Major Features



Touch-tone + Counting module control

The digital display counter can preset the 1-99999s time test and automatically stops after the test is completed.



Emotional human head model

The mask clamp is a metal human head model that can fully simulate the actual use of the mask.



High degree of equipment automation

The instrument automatically records the burning time and flame-retardant time with digital display, and equipped with flame temperature measuring probe, flame temperature display, with characteristic of automatic ignition and adjustable flame height.



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F149 flame-retardant tester for surgical mask — Field Application



F149 flame-retardant tester for surgical mask , It is mainly used to test the burning performance of surgical masks after contact with flame at a certain line speed, which is a special test instrument for flame-retardant performance of surgical masks.



It is applicable to the performance verification of new products, quality control of the production department, and the material properties for the third-party testing organization, the product performance verification laboratory, and the quality and technical supervision department, etc.

F149 flame-retardant tester for surgical mask—— Configuration parameter

■ Standard configuration ■■■

■ Optional Accessories ■■■



14901

Human head model clamp



14902

Pilot burner

Technical Parameters

Test mode: automatic	Burner timing: 0~9999.9秒
Linear velocity of head model automatic movement: (60±5) mm/s	Distance between the top of the burner and the lowest point of the mask: (20±2) mm , The flame is at a height of (20±2) mm from the top of the burner
Flame height: 40±4mm	Temperature: (800 ±50) °C
Temperature sensor: thermocouple detection	Weight: 65k
Burner height adjustment range: 30mm	Power supply: 220V 5Hz
Wall thickness of metal head model: 2~3mm, flame resistant and resistance to burning	Physical dimension: 810mm* 510 mm* 870 mm



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