

# CINSUN

Stable Reliable Consistent



Flame spread tester  
**F150A**



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## Flame Spread Tester— Material Fire Spread Test

The tester is used for flame spread test of protective clothing. It is designed and manufactured according to ISO 15025 Standard for Protective Clothing Burning Test, and can test the flame spread state of protective clothing under small flame impact. It is mainly used as a professional instrument for simulating the flame-diffusing performance of fire protective clothing in case of ignition hazard, thus effectively controlling production and testing the performance of the product.

### F150A Flame Spread Tester

1. The tester is used to assess the vertical flame-diffusing performance of one-component or multi-component (coatings, quilting, multi-layers, sandwiches and similar combinations) clothes curtains and large tents, including textiles of awnings and door mask. It is also used to access the performance of materials or combinations of materials under laboratory controlled conditions after exposure to flame.

2. The equipment is equipped with a test box and an exhaust system. The oversized box can adapt to different standard tests just by changing the sample holder.



### Standards compliant

ISO 15025—2000

GB/T 5456-2009

GB/T 6675.3-2014

## F150A Flame Spread Tester—— Several Major Features



### Transparent security gate

The heat-resistant glass observation window allows the tester to observe at any time during the test while keeping the test free from external environmental disturbances.



### smart touch screen control + test report printing

Microcomputer control system is more efficient and reliable and is equipped with programmable 7-inch color LCD touch screen, so as to achieve control, detection, calculation, data display and other functions.



### Angle of blast burner can be adjusted at multiple angles

A variety of angle burner installation aids are available to meet the requirements of different users for combustion angles, flexible and diverse, and with strong compatibility.



### Automatic ignition, lighting, exhaust system

During automatic ignition timing, configuring the position of automatic control igniter, precise control, convenient and reliable;



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## F150A Flame Spread Tester—— Field Application



The instrument is suitable for the determination of ignition hazard of flammable materials which are used for textile materials or other similar functional applications.



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

## F150A Flame Spread Tester— Configuration parameter

Standard configuration 



150A01

Blast burner



150A02

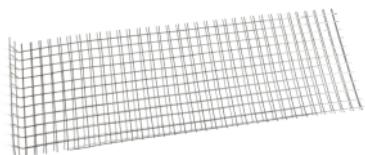
Sample holder



150A03

Flame ruler

Optional Accessories 



150A04

Total 20 mesh  
0.40—0.45mm , 125 x 125mm



150A05

Experimental filter paper  
(60 - 100g/m<sup>2</sup>, thickness 0.15 - 0.25)

### Technical Parameters

Box: with observation window, internal volume 0.5m <sup>2</sup> , internal black	Inner diameter of blaster burner combustion tube: 8 tubes with diameter of 0.9mm, 1 middle with diameter of 1.7 uniform
Control screen: smart touch	Exhaust device: automatic exhaust
Observation window: transparent	Distance from burner tip to the sample: at least 75mm, can be horizontal or inclined working position
Flame height: adjustable	
Sample clamp: 190 x 150 mm (L x W)	Appearance size:1400mm x 900mm x 1450 mm
Ignition mode: automatic ignition	Weight:120Kg
Burning timer: timer (accurate to 0.1s)	



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