

# QINSUN

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## 45 Degree Flammability Tester tester G233A



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## **G233A 45 Degree Flammability Tester — Material combustion performance evaluation**

G233G 45°Degree Flammability Tester can fast accurate materials after a fire flame detection in the spread of the 45 ° direction on time, according to the situation of flame spread speed and intensity of combustion test material, the product of flammability classification, combustion performance to evaluate products, effective control of the production, testing the performance of the product.

## **G233G 45 Degree Flammability Tester**

1.Built-in automatic control system, automatic ignition, ignition time can be set, auto-matic completion of ignition reset; high precision flow meter, flame height adjustable; standard sample holder, standard bristle device, standard flame calibration height gauge, we provide the most comprehensive standard accessories to improve the consistency of operation in the process you use; at the same time, high-precision and high-automatic integrated control system will provide the greatest degree of au-tomated testing to facilitate your testing and use .it also offers the data basis for new material research and development 、 product quality acceptance and etc.



2.45° Flammability tester is commonly used in fabric flame retardant performance testing of textiles, toys and soft furniture, to ensure the correct and safe use of tex-tiles, to avoid life-threatening textile flammability.

## **Standards compliant**

ASTM D1230 Standard Test Method for Flammability of Apparel Textiles

CFR 16 Part 1610 Standard for the Flammability of clothing Textiles

GB/T 14644 Textiles - Burning behavior - 45°test determination of flame spread rate

FTMS 191-5908 (Federal Test Method Standard) Flammability of Textiles

CAL TB 117 C, E Test Procedure and Apparatus for Testing the Flame Resistance of Resil-ient Filling Materials Used in Upholstered Furniture Section

NFPA 702 Recommended Prac-tice For A Field Match Flame Test For Textiles And Films



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## G233A 45 Degree Flammability Tester — Several Major Features



### Smart touch screen control panel

The microcomputer control system is more efficient and reliable, Easy to set parameters with print function.



### Transparent safety door

Heat resistant glass window can be observed at any time during the test, while keeping the test from the external environment.



### Automatic ignition device

Automatic ignition timing, configure the automatic control of the ignition, the ignition is auto-matically turned off and return to the initial position, precise control, convenient and reliable.



### Sample location device

Flame spread time accuracy 0.1s, sample clip position adjustable, configure the location standard ruler, to ensure that the initial position of each test consistent. The ignition time can be set free to meet the standards and custom tests.



### sample rack moveable

The sample rack of the instrument can move the sample left and right by rotating the handle, which is convenient for sample installation and sample taking out.





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## G233A 45 Degree Flammability Tester—— Field Application



G233A 45 Degree Flammability Tester -convenient to use and efficient to design and test the automatic ignition and extinguishing, which can make the daily test work in the laboratory more simple. It is suitable for testing the flame retardant performance of textiles, toy fabrics and upholstery fabrics.



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.

## G233A 45 Degree Flammability Tester—— Configuration parameter

Standard configuration



233A01

sample fixture/set



233A02

2inch stainless steel clip



233A03

火焰尺



233A04

burner



233A05

Mercerized cotton thread  
(including thread holder)

## G233A 45 Degree Flammability Tester—— Configuration parameter

### Optional Accessories



233A06

brush device



233A07

ignitor

### Technical Parameters

Operation interface: smart touch (with printer)	SSample rack position:Knob adjustment (with sample thickness
exhaust vent(top): $\phi 12.7\text{mm} \times 16$	
observing window:lucency	pecimen tilt angle: 45°
Vent holes (rear side): 12.7mm $\times$ 11	Burner: 26#Standard syringe needle made
standard flamme height: 16mm	Dimensions (LxWxH) :420mm $\times$ 260mm $\times$ 526mm
sample holder: U-shaped, 205mm $\times$ 76mm	Burner size (LxWxH) :W368mm $\times$ D216mm $\times$ H356mm
(within frame:152mm $\times$ 38mm)	weight:35Kg
Lit time:1S(can be set)	Power supply:220V 50HZ
Burn timing:Timer (accurate to 0.1s)	



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