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# SH5704T HORIZONTAL/VERTICAL PLASTIC FLAMMABILITY TESTER



## 1. MODEL NO.

SH5704T

## 2. APPLICATION

This tester is suitable to determine the flammability property of plastics. And this tester simulates the products around fire to assess fire risk during real use.

## 3. STANDARDS

STANDARDS

GB 2408, 5169.16

IEC 60695-11-10

ISO 1210

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.



#### 4. FEATURES

- Special intergraded designing of horizontal and vertical flammability tester, convenience for installation and adjustment;
- Tester chamber outer shell and important parts use stainless steel, endurable for smoke and gas corrosion;
- High degree of automation control system, with automatic igniting function, and auto-following flame function for tested specimen at horizontal and vertical directions;
- Temperature and time are auto-displayed by digital LED panel, stable and convenience for recording test result;
- Can use coal gas or liquefied petroleum gas as gas sources;
- Equipped with glass window for easily observing testing status;
- Equipped with temperature detecting system, including temperature copper block and high quality K-type thermocouple;
- Equipped with flame height ruler and digital timer with accuracy 0.01s, record the time of temperature increasing of copper block from 100℃ to 700℃ automatically;
- Record afterglow time during horizontal testing;
- Motor drives melting or dripped material on moveable plane away from vertical specimen 150mm, and record afterglow and after flame time automatically;
- Equipped with single meter and pressure regulator (automatic igniter) .

#### 5. KEY SPECIFICATION

<b>Test method</b>	Horizontal burning and vertical burning
<b>burning chamber volume</b>	0.5m <sup>3</sup>
<b>Burner</b>	With inner diameter 9.5±0.3mm, length 100mm
<b>Flame height</b>	20~175mm adjustable
<b>Flame imposing time</b>	0~99min99s adjustable
<b>Holding burning time</b>	0~99min99s adjustable
<b>Angle of horizontal test</b>	45±2° between transverse axis of horizontal test clamp end and horizontal plane
	45° between blowlamp and horizontal plane
<b>Dimension</b>	1200×600×1500 (L×W×H)
<b>Power supply</b>	220V 50Hz
<b>Weight</b>	40kg



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## 6. STANDARD CONFIGURATION

No.	Item	Quantity
1	Main machine	1 set
2	Soft sample supporting frame	1pcs
3	Specimen clamp	1pcs