

## ASTM D635 Horizontal Flammability Tester



### Product Information:

Horizontal Flammability Testing Machine

Horizontal flame chamber, For the flammability testing of plastic materials used in consumer electric devices and appliances. Stainless steel construction with black interior and large sliding window for easy viewing. Includes a fully adjustable specimen support and precision gas flow controls.

### Testing Standards:

ASTM D635 UL 94-2006 IEC IEC 60695-11-10, 60695-11-3 IEC 60695-11-4 GB/T5169.15 16 17 22-2008

UL94HB: Horizontal Burning Test

IEC 60695-11-3: Fire hazard testing - Part 11-3: Test flames - 500 W flames-Apparatus and conformational test method

Kinds	500W(5V class )	50W(HB/Vclass)
Test Flame	500W(burning test for V-0,V-1,V-2 classification)	50W(burning test for V-0,V-1,V-2 classification)

Burner Tube	Internal diameter: $\Phi$ 9.5mm $\pm$ 0.3mm	Internal diameter: $\Phi$ 9.5mm $\pm$ 0.3mm,
Burning Angle	0°,20°,45°	0°,20°,45°
Thermocouple	Type K (Ni/Cr - Ni/Al)	Type K (Ni/Cr - Ni/Al)
Thermocouple Size	0.5 mm	0.5 mm
Standard Copper Block	9mm $\pm$ 0.01mm, weight:10g $\pm$ 0.05g before drilling.	5.5mm $\pm$ 0.01mm, weight:76g $\pm$ 0.01g before drilling.
Time for Temperature to Increase	From 100°C $\pm$ 5°C to 700°C $\pm$ 3°C; 54s $\pm$ 2s (preset)	From 100°C $\pm$ 5°C to 700°C $\pm$ 3°C; 44s $\pm$ 2s (preset)
Gas Flow	965 $\pm$ 32ml/min	105 $\pm$ 10ml/min
Gas Supply	methane,min.98% purity	methane,min.98% purity
water-column	125m $\pm$ 5mm	<10mm
Test Time	54 $\pm$ 2s	44 $\pm$ 2s
Flame Height Indicator	40 $\pm$ 1mm	20 $\pm$ 1mm
Volume Of Chamber	>0.5m <sup>3</sup> , black interior	>0.5m <sup>3</sup> , black interior
Conform to standard	UL94,IEC60695-11-3,IEC60695-11-2 0	UL94,IEC60695-11-4,IEC60695-11-1 0 ASTM D635