Needle flame AUTO-ZYA

Standards

Our Needle Flame tester is designed and manufacture according to IEC60695-11-5, GB/T5169.5-2008, GB4706.1-2005 and other similar international standards.

Application area

With predetermined size (Φ 0.9 mm) needle burner, in 45°angle burning product, measure the fire risk by product light-off or hold burning time.
Used for lighting, low voltage electric appliance, household appliances, electric machine, motor, electric tools, electronic instrument, electrical instrument, electrical connector such as electrical and electronic equipment and parts, components of research, production and quality inspection department, also suitable for insulation materials, engineering plastics.

Technical specifications

Needle burner	inner hole diameter Φ 0.5mm ± 0.1mm, Diameter,9mm≤Φ, length ≥ 35mm, stainless steel
Burner angle	0,°20°, 45° (adjust flame height)
Thermocouple	Ø0.5mm Type K (Ni/Cr - Ni/Al), armored sheath can withstand temperature-40°C~ 1100°C
Burning time	0-999.9 s ± 0.1 s adjustable (usually selected for 30s)
Hold Burning time	0-999.9 s ± 0.1 s, automatic recording, manual timeout
Flame Height	12mm ± 1mm (with height measurement instruments)
Flame Gas	butane gas/Butane gas, min. 95% purity (can use bottled lighter gases)
Temperature Test Range	0~1000°C
Flame temperature requirements	from 100 °C ± 2 °C liters to 700 °C ± 3 °C time in 23.5 seconds ± 1 seconds
Standard Copper Block	4mm±0.01mm, weight.0.58g±0.01g before drilling. Cu-ETP
Test process	automatic control, independent convulsions
Chamber	≥0.5m3
Size	W1100mm×D700mm×H1300mm, exhaust hole Ø100mm
Control	Using single chip microcomputer + touch screen control
Consult standard	GB/T5169.10-2006 , IEC60695-2-10:2000,UL746A
Power Supply	800VA ,220V, 48-60Hz