



Kingpo Technology Development Limited

Flame Test Equipment

Product Catalogue

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Hot Wire Ignition Tester

Model: KP-FT05



Product Description

Hot Wire Ignition Test is strictly designed and manufactured according to IEC60695-2-20-2004, GB4943.1-2011 standard, it also can meet other relevant standard requirements. It simulates heating element or heat stress caused by a heat element and its appliance to fire hazard test of solid insulation material components of electrical and electronic products and other household appliances besides heat source (length below 13 mm) and heat source (length below 13 mm).

Technical Parameter:

- 1、 Hot Wire: diameter 0.50 ± 0.02 mm Ni/Cr (80/20),
- 2、 Hot Wire Resistance: $5.25 \Omega/m$
- 3、 Hot Wire Length: >250 mm
- 4、 Power Density: $0 \sim 0.31$ W/mm ± 0.01 W/mm (adjusted)
- 5、 Maximum Current: $0 - 10A \pm 0.5\%$
- 6、 Reference Standard: IEC60695-2-20-2004 GB4943.1-2011。
- 7、 Sample Support Height: 60 ± 2 mm
- 8、 Sample Bearing Clearance: 70 ± 2 mm
- 9、 Sample support and electrode distance: 35mm
- 10、 Sample: W*H*L 14mm*20mm*150mm Max
- 11、 Winding Distance: 6.3 ± 0.2 mm
- 12、 Repeatability Accuracy: 0.05mm
- 13、 Wire Configure Weight: $5.4N \pm 0.05$ N
- 14、 Winding Method: Handle
- 15、 Sample: W*H*L 14mm*14mm*140mm Max
- 16、 Power supply: 220V AC 300W
- 17、 Inside volume: $>0.5m^3$