



## TPP Thermal Protection Tester GT-RC02



### Application:

The Thermal Protection Tester is mainly used to measure the thermal insulation performance of flame-retardant protective clothing fabrics exposed to radiant heat sources and convection heat sources to detect the thermal protection performance of protective clothing, safety shoes, gloves, and helmet outer surfaces.

### Standards:

GB /38302-2019, GB 8965.1, NFPA 1971, ASTM F 2700-08, ASTM F 2703-08, ASTM D4018

## Features

- 1.Test the TPP and TPE of protective material, display Time-Temperature curve.
- 2.TPP Thermal Protection Tester equipped with computer, English & Chinese operation interface, data processing automatically.
- 3.Cooling system, can cooling the heat flow meter quickly, improve testing speed.

## Key Specification

Model	GT-RC02
Specimen Size	150×150mm
Specimen Radiated Size	100×100mm
Radiant Thermal-Flux Source	9pcs of 500w quartz burner; Interval: 13.0±0.5mm (Optional: 14.3±0.5mm for GB 8965.1 Standard)
Convective Thermal-Flux Source	2 burners at 20°to 30°angle from the vertical, Gas supply: Methane (Purity≥99%) or Propane (Purity≥95%) (Optional: 45°for GB 8965.1 Standard)
Heat Flow Meter	K-Type Thermocouple wire (diameter ≤0.25mm), Resolution: 0.1°C, Accuracy: 0.7°C
Data Collection System	Collect frequency: 10Hz
Radiant Thermal-Flux	(13 4)kW/m <sup>2</sup> [(0.3±0.1)cal/cm <sup>2</sup> ×s]
Whole Thermal-Flux	(84 2)kW/m <sup>2</sup> [(2.00±0.05)cal/cm <sup>2</sup> ×s]
Power Supply	220V 50Hz 5Kw
Dimension	930×740×890mm
Weight	≈100kg