



This apparatus is designed to test fabrics thermal resistance and humidity resistance under certain conditions.

The machine's testing accuracy is much higher than referenced standards call for, therefore, it's an ideal piece of equipment to conduct fabric performance testing.



**Applications:**

- Textiles

**Standards:**

- GB/T11048-2008
- ISO 11092
- ASTM F1868 (A-E)

**Features:**

- Highly accurate temperature sensor to increase stability and repeatability
- Large colour touch screen display for easy use
- Micro-computer and data processor control to measure and calculate test results
- Connection to Printer for immediate reports

**Specifications:**

|   |   |                                 |                       |
|---|---|---------------------------------|-----------------------|
| <b>Thermal Resistance Testing</b>             | Range: 0 ~2.000m <sup>2</sup> K/W   | Ratio: 0.0001m <sup>2</sup> K/M | Repeatability: ≤±2.5% |
| <b>Water Vapour Resistance Testing</b>        | Range: 0 -1000m <sup>2</sup> Pa / W   | Ratio: 0.01 m <sup>2</sup> Pa/W | Repeatability: ≤±2.5% |
| <b>Testing Plate Temperature Range</b>        | 20°C - 50°C   |                                 |                       |
| <b>Air Speed</b>                              | Adjustable – 0.5, 1.0, 1.5 m/s (±0.05m/s)   |                                 |                       |
| <b>Temperature &amp; Humidity</b>             | a. 20°C±0.1°C Resolution : 0.01°C<br>65%±3% Resolution : 0.01% (Thermal resistance)<br>b. 35°C±0.1°C Resolution : 0.01°C<br>40%±3% Resolution : 0.01% (Water-vapour Resistance) |                                 |                       |
| <b>Fluctuation Range of the Testing Board</b> | (Specimen Thickness) ≤70mm  |                                 |                       |
| <b>Resolution of Heating Plate</b>            | ±0.1°C  |                                 |                       |
| <b>Testing Board Dimensions</b>               | 200 x 200mm   |                                 |                       |
| <b>Specimen Dimensions</b>                    | 350 x 350mm   |                                 |                       |
| <b>Power Supply</b>                           | AC220V ±10%, 4000W  |                                 |                       |
| <b>Machine Dimensions:</b>                    | 1000 x 770 x 1800mm   |                                 |                       |
| <b>Machine Weight</b>                         | 380kg   |                                 |                       |

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