

ATI

ADVANCED TESTING INSTRUMENTS



TESTING INSTRUMENTS
FOR FABRICS & GARMENTS
**TF129 SWEATING
GUARDED HOTPLATE**

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Sweating Guarded Hotplate is the most professional, stable and advanced thermal and the evaporative resistance testing instrument in the world.

Human skin simulation test plate, automatic water supply system, wind speed stabilization system, test host and climate chamber are completely separated design. Automatically adjust the height of the hotplate according to the thickness of the test sample, ensures the wind sensor is 15mm above the hotplate.

A Windows based software is offered. The main machine inside the chamber is connected with the software by Wi-Fi, so operators may control and monitor the testing in the office.

An advanced Temperature & Humidity Chamber is offered with the machine.

Note: A customized PC is needed for this instrument.

SPECIFICATIONS

- (RCT) Thermal resistance range: 0.002-2.0 m K/W
- Repeatability: $\leq 2\%$
- Resolution: 0.0001 m K/W
- (Ret) evaporative Resistance range: 0-1000 m Pa/W
- Repeatability: $\leq 2\%$
- Resolution: 0.001 m Pa/W
- Test temperature range: 0 - 35°C
- Temperature control accuracy: $\pm 0.2^\circ\text{C}$
- Air velocity: 0 ~ 1 m/s
- Air velocity accuracy: $\pm 1\%$
- The sample platform lifts range: 0 ~ 50 mm automatic lift
- Sample thickness: 0 ~ 50 mm
- Test plate area: 254 mm x 254 mm
- Guard ring size: 512 mm x 512 mm
- Guard ring width: 127 mm

STANDARDS: ISO 11092, ASTM F1868, GB/T 11048

POWER: 110 V / 220 V 50 Hz

WEIGHT: 62 kg

DIMENSIONS: 770 x 670 x 430 mm (L x W x H)

