

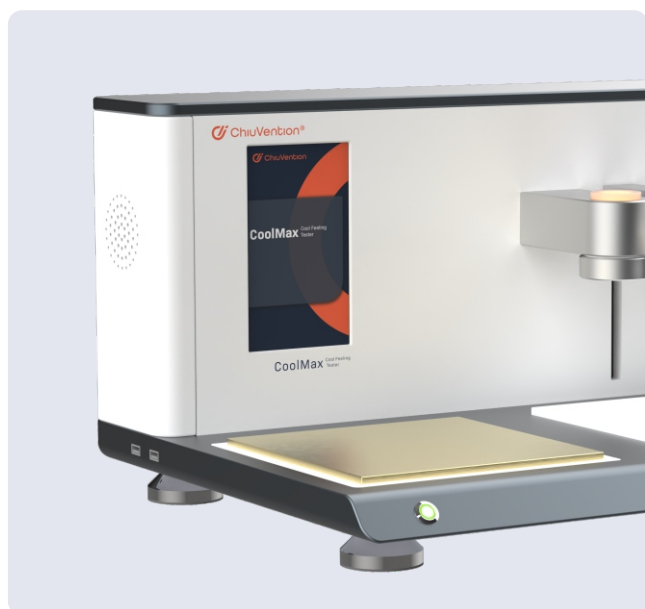
CoolMax

Cool Feeling Tester

The CoolMax Cool Feeling Tester tests textiles with instant cooling. It checks if they can dissipate heat and cool. This assesses their cooling effect. The test applies to knitted and woven fabrics. The equipment can simulate real-life usage scenarios. High-precision temperature sensors will record instantaneous temperature changes. The software will analyze the data and generate Q-max values. The test takes seconds. It has adjustable parameters and yields very reliable results. IoT tech can connect the instrument to smartphones and computers. It can also link to ERP and LIMS systems. This will greatly improve testing efficiency.

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■ More reliable test results

The equipment is able to simulate real use scenarios. The heating plate is heated to the average temperature of the human body (35 ± 0.5), making full contact with the fabric contact surface, the high-precision temperature sensor records the instantaneous temperature change, and the software analyzes and generates the Q-max value directly. The test results are highly reproducible and repeatable.

Rapid testing and meets a wide range of testing standards

The CoolMax Cool Feeling Tester takes only 10 seconds to complete a test, especially suitable for batch testing, such as textile R&D, production and quality control. Adjustable parameters: test parameters (e.g., heating plate temperature, contact pressure, etc.) to meet multiple standards and a wide range of testing needs.

■ Smart Cool Feeling Test

The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. Test orders and standards can be sent to the instrument. The sample information can be read by scanning the code. The program can be automatically selected and tested. After the test, a digital raw record will be created. It will include the test process, results, temperature, and humidity. This record will be uploaded to the system. It will be summarized with other tests to output a report. All relevant parties can view the report in real-time. The operator can remotely monitor the status of multiple tests. They can also modify the test requirements, get a reminder before the test ends, and stop or repeat the test. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.



Power

220/110V 50/60Hz



Weight

30 kg



Dimension

435*545*315 mm(D*W*H)

The Specification

Heat detection plate temperature $35\pm0.5^{\circ}\text{C}$, adjustable from 20°C to 40°C

Cold plate 1 Polyester foam plate, Size 220mm * 220mm

Cold plate 2 Copper plate temperature 25°C , Size 200mm * 200mm, Precise temperature control

Temperature display resolution of 0.01°C for thermal test plate and sample carrier. Response time of thermal inspection plate $<0.2\text{s}$

Test time 1~99s adjustable

Testing mode manual/automatic

Test sample area 200*200 mm

Real-time test control system developed based on the Android system, which can display the test curve in real time.

With two USB-A interfaces, you can directly export the test report or external other supporting equipment.

Light flashes when the test is complete.

Standard

FZ/T 73067-2020

GB/T 35263-2017

CNS 15687-2013

JIS L 1927-2016

FTTS-FA-019

T/CTCA4



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