



SmartDry Drying Rate Tester

SmartDry is suitable for testing quick-drying fabrics. Equipped with high-precision temperature sensors, wind speed sensors, and precision dripping devices, SmartDry can quickly simulate the process of human sweating and quickly determine the drying rate of textiles. Unique uniform airflow control and magnetic stripe fixture for sample pressing make the test more reliable. The drying rate test takes only a few minutes. Its results match those of international third-party tests.

SmartDry

Drying Rate Tester



- **A unique uniform wind speed control and magnetic stripe fixture, making the test more reliable.**

The wind is more uniform and smooth during the test. The sample and test plate are closely adhered, all above reproduce the actual evaporation process. A built-in temperature and humidity sensor makes the results more reliable.

- **Fast test, test results are highly consistent with authoritative testing organizations.**

A drying rate test can be done in a few minutes. Its results match those of international third-party testing organizations.

- **Lightweight and easy to use, well-known brands are using it.**

- **Smart Drying Rate 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

20kg



Dimension

400*590*180 mm(D*W*H)



Specifications

Fan	can produce airflow of 0.5-3.5m/s ± 0.1 m/s
Heater plate	305mm x 305mm ± 0.5 m
Soft heating plate	305mm x 305mm ± 0.5 m
Heat-insulating cork board	305mm x 305mm ± 0.5 m
Metal pressure bar	150mm x 40mmx2mm ± 1 mm
The Heating temperature	25-40°C ± 0.5 °C (with overheat protection)
Infrared temperature sensor	15-50°C ± 0.1 °C
Drip accuracy	0.05-1.0ml ± 0.001 ml 1.0-4.5ml ± 0.01 ml

Accessories

Fuse	2pcs
Sampling plate	1 pc 150mm*150mm
Water bottle	1 pc 60mL

Standard

AATCC 201
FZ/T 01176-2024