



SmartDry Rate Tester

SmartDry Rate Tester is an instrument that measures the drying rate of textile by simulating the process of human sweating and monitoring the drying process of liquid on the fabric.

The fabric is placed on top of a heating plate at a constant temperature of 37°(99°F), a certain amount of water is dripped in the center of the heating plate, and a wind box is on top of the fabric to dry the sample. The change of fabric temperature is tested by infrared temperature sensor to determine whether the drying is finished, and the drying speed is obtained according to the test drying time.

SmartDry Rate Tester



- Smart instrument**
 Can be connected through Wi-Fi with SmarTexLab App installed in the smart phones, set parameters, monitor the test status, receive equipment warning reminders, replenishment reminders, etc., and share test results with one click.
- Efficient and convenient**
 High precision temperature sensor, wind speed sensor, and precision drip device can automatically complete the test of fabric drying time, drying rate and a series of data analysis work.
- Original parallel cross-flow wind box, so that the wind speed is more uniform, more smooth, more restore the actual evaporation process, more reliable test results.
- Precise appearance design**
 Aluminum alloy hard oxidation surface, durable and easy to clean; seven-inch color touch screen is easy to use.



Power
AC100-245V 50/60Hz 3A



Weight
kg



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

Specifications

| | |
|-----------------------------|---|
| Wind box | can produce airflow of 0.5-3.5m/s |
| Heater plate | 305mm x 305mm±1mm |
| Flexible heating plate | 305mm x 305mm±1mm |
| Heat-insulating cork board | 305mm x 305mm±1mm |
| Metal pressure bar | 150mm x 40mmx2mm±1mm |
| Heating plate temperature | 25-40°C±0.5°C (with overheat protection) |
| Accuracy | 0.5-3.5m/s±0.1m/s |
| Infrared temperature sensor | 15-50°C±0.1°C |
| Drip accuracy | 0.05-1.0ml±0.003ml 1.0-4.5ml±0.01ml |

Accessories

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

Standard

AATCC201