



SmartDry Drying Rate Tester

SmartDry Dry Rate Tester is equipped with high-precision temperature sensors, wind speed sensors and precision water dripping devices, etc., which can quickly simulate the process of human sweating and quickly determine the drying rate of textiles. The specially designed parallel cross-flow fan makes the wind speed more uniform and smooth, which can restore the actual evaporation process and make the test results more reliable. SmartDry is a smart instrument, which can be connected to the SmartTexLab app installed in the smartphone through WIFI, so that the parameters can be set remotely and the test process can be monitored, which greatly improves the working efficiency. SmartDry is applicable to the AATCC 201 standard.

A test sample is placed on top of a heating plate at a constant temperature of 37°C (99°F), and a certain amount of water rises from the bottom of the instrument to the center of the plate and saturates the sample. An anemometer inside the instrument dries the sample. An infrared temperature sensor measures the change in temperature of the sample to determine if the drying is finished, then the drying speed is determined by the test drying time.

SmartDry

Drying Rate Tester



Smart instrument

This drying rate tester can be networked with smartphone, so you can set parameters and monitor test status remotely, also directly get test results and equipment warning alerts, etc.; Besides, you can share the test results with others.

Efficient and convenient, and more reliable test

With high precision temperature sensor, wind speed sensor and precision drip device, you can complete the test of drying rate quickly in 10 minutes.

The specially designed parallel cross-flow fan makes the wind speed more uniform and smooth, which can restore the actual evaporation process and make the test results more reliable.

Simple and easy to use

The whole test process will be displayed on the screen and present it as a clear data curve.

Precise appearance design, aluminum alloy hard oxidation surface, durable and easy to clean; seven-inch color touch screen is easy to use.



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 ±0.1m/s
Heater plate	305mm x 305mm± 0.5m
Soft heating plate	305mm x 305mm± 0.5m
Heat-insulating cork board	305mm x 305mm± 0.5m
Metal pressure bar	150mm x 40mmx2mm±1mm
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±0.003ml 1.0-4.5ml±0.01ml

Accessories

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

Standard

AATCC201