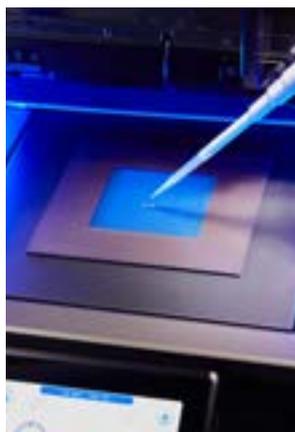




ProDry

DRY RATE TESTER

Quick-drying is an important attribute of textiles worn next to the skin, during sporting activities where the skin is likely to perspire. ProDry replicates the conditions to verify the quick-drying fabrics are performing effectively.



KEY BENEFITS

USER FRIENDLY TESTING

The user-friendly design of ProDry helps to simplify the testing process. This includes illuminating samples for full visibility during testing, an accessible and easy to clean water reservoir and options to dose the sample automatically or manually.

OPTION TO INCREASE DATA POINTS

Additional data points can be added into the graph following testing which helps to improve the accuracy and consistency of test results.

ADVANCED TESTWISE TOUCH

ProDry is operated using our most advanced version of TestWise Touch. This can automatically set the test parameters, finding the test end point and showing a real time presentation of results.

ADJUSTABLE TEMPERATURE SENSOR

The instrument is fitted with a temperature sensor to ensure that results comply with AATCC standards regardless of the fabric thickness.

CONSISTENT AIRFLOW

Multiple fans, an air filter and positioning of air flow sensors provide consistent airflow which is measured and controlled by an integrated airflow sensor.

MARKET SECTORS/ PRODUCT TYPES



BASE LAYER GARMENTS



FOOTWEAR



SOCKS



RUNNING WEAR



OUTDOOR WEAR

STANDARDS

AATCC TEST METHODS



AATCC 201 DRYING RATE OF FABRICS: HEATED PLATE METHOD

PRODRY AT A GLANCE

A number of inbuilt fans provide a consistent airflow which can be measured and controlled using an integrated airflow sensor.

A fan box produces a consistent airflow of 1.5m/s across the test plate which is verified by an airflow sensor.

Advanced TestWise OS with easy to use controls, includes a preview graph and hotplate temperature controls.

The external water reservoir is used to apply a set amount of water to the centre of the hotplate via an in-built water pump.

The infra-red adjustment wheel and locking nob ensures results can be recorded accurately.

The transparent lid enables operators to track the progress of the test throughout its progress.



The hinged lid allows for easy access to the heated metal plate and test sample.

The infra-red temperature sensor ensures results comply with the standards regardless of fabric thickness.

An inbuilt heater maintains the temperature of the heated plate at 37°C.

The magnetic specimen holder ensures materials are held securely in place guaranteeing accurate test results.



OPTION TO INCREASE DATA POINTS

Users have the option of increasing the number of data points used to calculate the test end time helping to improve both the accuracy and consistency of results. These can be added once the test has been completed to better analyse the graph.



ADAPTABLE TEMPERATURE SENSOR

ProDry is fitted with an adjustable infra-red temperature sensor ensuring that end test results are compliant with the relevant standards, including AATCC, regardless of how thick the fabric being tested is.

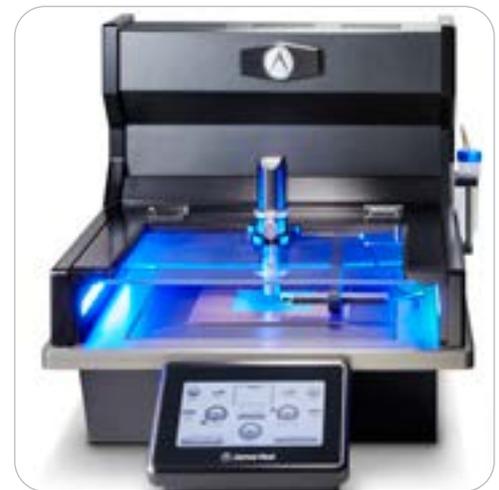
The height of the sensor can be modified using an adjustment wheel fitted to the sensor and a locking knob.



CONSISTENT AIRFLOW

A number of inbuilt fans provides a controlled airflow which can be measured using an inbuilt integrated airflow sensor.

The fan box produces a consistent airflow of 1.5 m/s across the test plate which is verified by an airflow sensor.



ADVANCED TESTWISE TOUCH

Our most advanced version of TestWise Touch can automatically set up the parameters of the test, find the end point and shows a real time presentation of results.

Those test results can be presented either in a table or a graph, which has pinch and zoom functionality for increased detail.

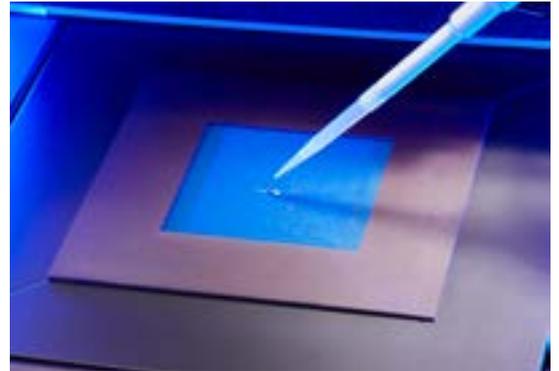


AUTOMATIC RESULTS CALCULATION

Our TestWise Touch software automatically calculates drying rates for the user. This means that there is no need for a computer or any user calculations.

USER FRIENDLY TESTING

Designed with the user in mind, ProDry has illuminated samples for full visibility during testing, an accessible and easy to clean water reservoir and options to dose the sample automatically or manually.



PRODRY TOUCHSCREEN

Home Screen

Users can easily access a range of settings from the top menu including setting the hotplate temperature changes, the air speed controls and setting the water volume to be applied to the test sample.



Specimen Menu (Specimens Table)

The menu helps users to compare the results of different material specimens following testing. This includes a variety of information such as the differing test end times and the drying rate of the products.

Specimens Menu (Graph Table)

The specimen graph gives a comparative view of the time taken for the different fabrics to return to their initial starting temperature. It provides a range of information including the end time of the testing, when the fabrics temperature returns to normal.



Specimens Menu (Edit Specimen)

Through this menu screen users can assess the different specimens in much closer detail, with the option of adding additional points to the graph to further drill down into the test results.

Easily accessible settings

From the top menu bar users can easily set the pump revolutions and the amount of water being pumped. There is also settings to change the time format and the display units.

Users can also change volume, language and day/time.



End of test visibility

The display shows the Test End time and progress bar, which allows the user to leave the instrument to work on other tasks and return on completion, a more efficient use of their time.

YOU MAY ALSO WANT...

WickView

This state-of-the-art instrument assesses the wicking ability of different fabrics. It uses an advanced imaging system to track and record the transfer of moisture through a garment.

This replicates the build-up of sweat during a sporting activity where skin is likely to perspire, helping organisations to understand if the fabrics they are using are quick-drying.



AquAbrasion

The AquAbrasion instrument is an accurate and repeatable way of conducting wet abrasion testing. This is a crucial step when looking to establish the durability of outdoor wear.

It uses a controlled pump system to dose fabric specimens which helps to keep fabric or material wet for the duration of the test.



TruRain

TruRain is an artificial rain shower testing instrument for determining the water repellence of textiles. This is an important function of technical fabrics, which are intended to be used in wet conditions.

The instrument is designed to replicate these conditions in order to provide an accurate indication of fabric performance. It is designed with precision in mind to reduce inconsistency and improve the accuracy and repeatability of results.

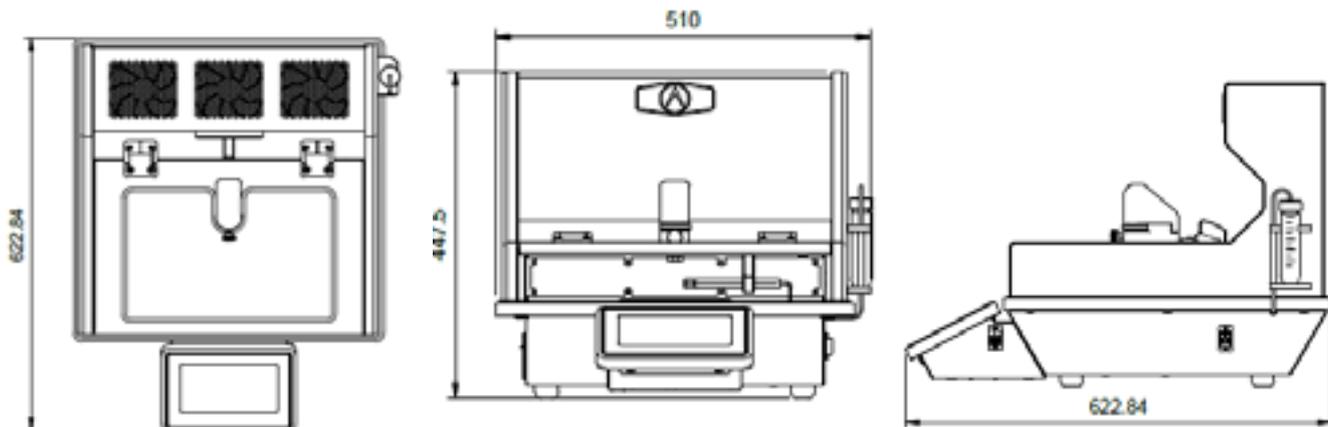


TruRain Instrument & Accessories

| Stock No: | Name: |
|-------------|--|
| 905-100 | 1931 ProDry Drying Rate 201 Tester 85-264VAC 50/60Hz Compliant to AATCC 201 |
| 201-011 | ISO Certificate of Calibration for ProDry - 1931 |
| 1931-SPARES | 2-Years Spares Kit ProDry Comprising: 130-853 Fuse 2A T 20x5mm 394-300 ProDry Filter 573-024 Connector Tube 716-827 Pyrex Centrifuge Tube 122 x 29 mm |

DIMENSIONS & WEIGHT

| Instrument Dimensions | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|-----------------------|-------------|------------|------------|-------------|
| Proview | 447.5 | 520 | 622.84 | 48 |



| Item: | Comment: |
|-------------------------|--|
| Electricity | 110 to 230 V \pm 10%, 50/ 60 HZ, 60 W (mains electricity must be free from spikes and surges exceeding 10% of normal voltage) (Universal Voltage & Frequency) |
| Air | Not required |
| Bench or Floor Standing | Bench |
| Water Supply | Each test uses 0.2ml of de-ionised water. ProDry is supplied with a test tube to complete all tests This Instrument does not need to be connected to mains water supply |
| Drainage | Not required |
| Air Extraction | Not required |
| Conditioning | It is recommended the instrument is located within a conditioned atmosphere |