

Rain

TEST INSTRUMENT




SDL ATLAS[®]
TEXTILE TESTING SOLUTIONS

Rain Tester

INNOVATIVE INSTRUMENT

Rain Tester, **water-resistant**

Textiles for outdoor clothing and for other applications such as tents and awnings are chosen to provide comfort and protection to the user. While many levels of protection are considered in the design of a textile for outdoor use such as protection or resistance to sun, wind, rain and snow, water-resistance is often a key feature.

SDL Atlas offers the most versatile, accurate and reliable Rain Tester on the market allowing manufacturers to measure their products performance to control production processes and validate product claims.

M230D

Rain Tester

Easily and reliably measures the resistance to the penetration of water by impact, and thus, can be used to predict the probable rain penetration resistance of fabrics. It is especially suitable for measuring the penetration resistance of garment fabrics. The intensity of the impact is varied under carefully controlled conditions to provide a water-resistant rating of the fabric. Built in automatic water heating and recycling of spray water are standard features of the Rain Tester.





Automatic water temperature control

- AATCC and ISO methods require water temperature control at 27±1°C
- Rain Tester includes built-in water tank, heater and PT100 temperature sensor
- Temperatures are set easily at the Touch Screen Controller

Automatic spray time control

- AATCC and ISO methods require 5 minute spray time
- Spray time easily set at the Touch Screen Controller
- Spray start and stop are automatically controlled eliminating error



Automatic water impact intensity control

- AATCC and ISO methods require adjustable water column height 0.6 to 2.4 meters
- Water impact intensity (water column height) is set at the Touch Screen Controller
- Controls include a precision pressure sensor and variable speed controls
- Fully automatic control eliminates error and manual work

Built-in water tank & testing reservoir

- The built-in reservoir complies with test standards
- Possible connection and size errors of locally built units are eliminated
- Tank and drain design reduces users work load
- Consolidated design saves lab space



Pre-Set AATCC & ISO test programs

- Select the test at Touch Screen Panel, start the test (user friendly)
- With flexibility for custom-design testing parameters
- Increase the repeatability & reproducibility of test results; from test-to-test, laboratory-to-laboratory

Calibration module

- With calibration module at touch screen control
- With desired procedure to create 'traceable calibration' at :
 - Water temperature
 - Water impact intensity



Specifications

Control	Color LCD Touch Screen Panel Control
Water Column	60–150 cm +/- 1.5 cm (standard model) 60–240 cm +/- 2.0 cm (extended model)
Specimen Holder	285 X 190 mm
Water Heater	1000 Wattage
Temp. Sensor	PT100
Water Supply	Tape Water or Distilled Water
Reservoir	40 Liters
Size	70 X 60 X 246 cm (extended model 326 cm)
Weight	Approx. 125 kg

Standard Accessories

Standards

Rain Tester with LCD Color Touch Screen Control Panel

■ AATCC 35

Water Column Tube for 150 cm

■ ISO 22958

Standard Nozzle

Sample Holder and Rack

40 Liter Reservoir

CD with Instruction Manual

Power Cable

5 Amp fuses

Optional Accessories

Extended Column for 240 cm

AATCC Blotting Paper 500 x 1000mm (20 x 40in) 125 Sheets

The Complete Source for Textile Testing Consumables

Today, standardized consumable materials play a critical role in many textile testing applications. Whether you need fabric, detergent or custom-prepared testing material, you can rely on the SDL Atlas testing and consumables divisions to provide a single source solution. Beyond consumables fulfillment, we offer technical expertise to help make your testing efficient, precise and compliant.



- ⚡ Textile Innovators consumables including: multi-fiber, laundering, crockmeter accessories, bulk testing fabrics and wash ballast
- ⚡ SDC consumables including: multi-fiber fabrics, detergents and rating and grading scales
- ⚡ AATCC consumables including: multi-fiber fabrics, detergents and rating and grading scales
- ⚡ WFK consumables including: soil fabrics, detergents and laundry testing
- ⚡ SDL Atlas consumables including: Martindale testing accessories and cork liners



Our extensive inventory of consumables meet all of the accepted test methods and standards so a lab can be assured of a high quality and steady supply of all the consumables they need from a globally recognized source. We assure consistency by archiving every tested sample and logging and documenting every lot.

Testing and Calibration

Every SDL Atlas product is subjected to complete testing and calibration to ensure highest possible performance and full compliance to international standards. In addition, UKAS accredited calibration services are available from the SDL Atlas TecNet, our technical solutions team. With accredited service engineers in three continents, we offer the best service available in the market. TecNet operates a working laboratory, offers presale product demonstrations and participates in standards development.



RELATED TEST PRODUCTS

Complete support: products, installation, consumables, training, and service

SDL Atlas offers a full line of laboratory testing equipment, products and consumables, backed by the support of a cross disciplined team of textile technologists, hardware and software engineers, mechanical and instrumentation engineers, calibration experts and installation and maintenance technicians.

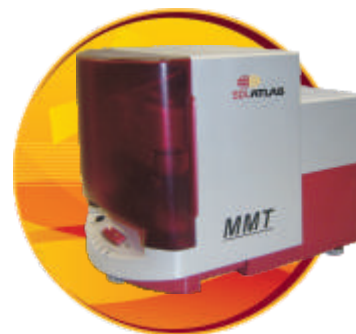


Sweating Guarded Hotplate

The Sweating Guarded Hotplate measures thermal and water vapour resistance, simulating the heat and mass transfer processes of human skin. The specimen to be tested is placed on an electronically heated porous plate with conditioned air ducted to flow across and parallel to its upper surface. Housed in a conditioned cabinet, the instrument operates with user-friendly Windows software and prints out standard test reports. This test conforms to ISO 11092 standards.

Moisture Management Tester (MMT)

Beyond traditional absorbency and wicking evaluations, SDL's Moisture Management Tester (MMT) dynamically measures moisture transfer across knit and woven apparel materials. The instrument calculates the moisture absorbing rate of a fabric's inner and outer surfaces, one-way transportation capability from inner to outer surface and the moisture spreading rate.



Air Permeability Tester

The SDL Atlas Air Permeability Tester offers unmatched ease of use, efficiency, and reliability for air permeability tests. It automatically measures the flow of air through a given area of a fabric (set by a selected standard orifice) at a given pressure drop over this test area during the time called out by the accepted standard. Exclusive features include automatic detection of the test head size and an automatic ranging system that eliminates the need for a pretest to discover and then set the instrument range. The 50 cm test arm allows for simple testing on a large sample without having to cut multiple small specimens. The compact size and included casters permit the instrument to be setup quickly and easily wherever testing needs to be done, from the laboratory to the production floor.



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Wherever people test textiles, you'll find SDL Atlas!