

Drying Rate Tester

Determination of Drying Rate
for Textile Fabrics



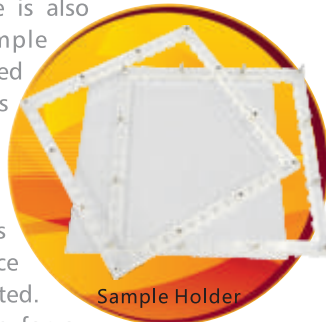
Drying Rate Tester

Drying rate of fabrics is an important measurement for many garment applications and especially for performance fabrics. The SDL Atlas Drying Rate Tester now gives retailers, fabric manufacturers, and textile additive producers a consistent method of measuring the drying rate of a fabric. This device can be used in-dependently to find a drying rate or in conjunction with the SDL Atlas Moisture Management Tester (MMT) in order to obtain a more complete understanding of the moisture management properties of a performance fabric.



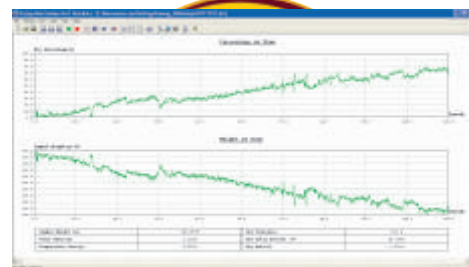
Principle

A 150mm x 150mm sample is placed in the sample holder. The sample holder can be positioned on the balance either vertically or horizontally as the user chooses. A backing plate is also supplied with the sample holder to allow one-sided drying. A measurement is taken in the dry state and entered into the program. Liquid is then added to the fabric and the sample is placed back on the balance and the software is initiated. The test can be set to run for a set period of time or until a set percentage of drying has occurred.



Features

- Digital balance with max capacity: 210g and resolution: 0.0001g
- Real time plot of "Dry Percentage vs Time" and "Sample weight vs Time"
- Result calculation of "Dry Percentage" and "Dry Rate"
- Communication protocol: TCP/IP, able to connect through local area network
- Provision of 150 x 150mm sample rack, able to position upward or horizontally



Test Curve

Fabric developers now have available a reliable means of obtaining a drying rate of textiles. This important measurement supplements data that can be gathered from many of our other instruments designed to measure fabric comfort, such as the MMT, Air Permeability Tester, Hydrostatic Head Tester, and Sweating Guarded Hotplate. For more information on all SDL Atlas products, visit www.sdlatlas.com or contact a SDL Atlas solutions expert.

SDL Atlas keeps you competitive in the textile market!



Visit us online at www.sdlatlas.com

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