

CINSUN

Stable Reliable Consistent



material sweat performance tester
G185



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Water vapour permeability tester — material sweat performance test

The water vapor permeability of the leather is evaluated by measuring the amount of water vapor permeated through the leather product per unit time per unit area. The main functional components of the tester include test bottle fixture, ventilation fan, and control panel. The control panel has a switch function, test time setting and recording function.

G185 Water vapour permeability tester

1、The machine is equipped with a revolving table with six separate test stations, each with a sample fixture. A silica gel desiccant is placed on the fixture, and the test material is placed on the neck of the fixture and fixed by a screw cap. Place the fixture and lock it into the rotating device after weighing each fixture with silica gel and sample material. The fixture can be weighed again after 7-8 hours and the results can be used to determine the permeability. The entire test must be carried out under specific atmospheric conditions (temperature 20°C, relative humidity 65%). In addition to the standard equipment included, there is a built-in timer to record the time that the test has been performed.

2、The design of the tester is gorgeous and. The main frame is combined with mesh plate. During the test, the interior of the enclosure and the environment are connected to each other, and the test is safe and reliable.



Standards compliant

UNI EN IUP/15, UNI EN 13515, EN ISO 20344: 6.6, IUP 15, BS 3144, Method 24, SLP 25,

DIN 53333, ISO 17699, DIN 53 429, METODO - 309 WI 009

G185 Water vapour permeability tester— Several Major Features



Touch-tone + timing module operation panel

The tester adopts touch-tone + modular design (MD), with optional timing and counting modes, simple operation and stable performance.



Multi-station design

The tester has a compact structure and a total of 6 stations, which is easy to clamping, fix firmly and it will not be loose during the test, so it is safe and reliable.



Metal safety gate

The metal safety door with mesh hole can observe the test condition at any time during the test, effectively ensure balance of internal and external atmosphere, so that the test is more accurate, and the equipment will stop automatically after the safety door is opened to ensure the safety of the test.



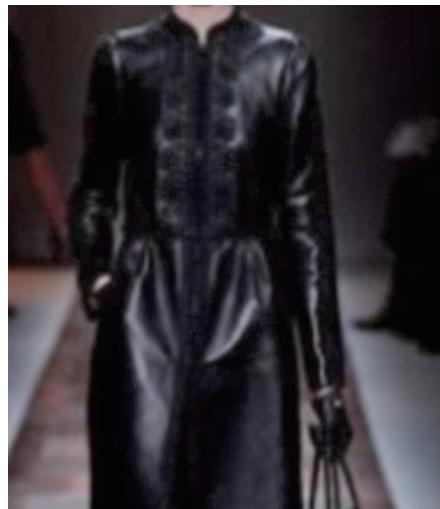
Good interchangeability of accessories

The test accessories of the tester are all imported, and can also be assembled with the imported instrument accessories. The equipment has a good interchangeability.



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G185 Water vapour permeability tester——Field Application



G185 Water vapour permeability tester, It is suitable for leather and textiles used in uppers and garments, measuring the materials sweat performance on the wearer's skin. The tester is used to determine the amount of water vapor that a material delivers through its own structure for a specified period of time.



It is applicable to the performance verification of new products, quality control of the production department, and the of material properties for the third-party testing organization, the product performance verification laboratory, and the quality and technical supervision department, etc.

G185 Water vapour permeability tester— Configuration parameter

Standard configuration



18501

100ML Test cup

Optional Accessories



18502

Silica gel / desiccant
(diameter 2-5mm) / kg



18503

Diameter 34mm sampling device
(sample thickness less than 3mm)

18504

Balance (0.1mg)

Technical Parameters

| | |
|--------------------------|---------------------------------|
| Station:6 | Working method: fully automatic |
| Control mode: touch-tone | Revolving table speed: 75RPM |
| Fan blade size :75×90mm | Power: 400W |
| Number of fan blades: 3 | Weight:45Kg |
| Fan blade angle:120° | Power supply:220V 50Hz |
| Fan distance:10 mm | Appearance size:600X500X700 |
| Fan speed :1400RPM | |



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