

***perspirometer I™ (ISO)***

**INTRODUCTION**

Dyed & printed Textile fabric & garments stain other materials when comes in contact with the human perspiration either acidic or alkaline. This important property of textiles is evaluated keeping the sample with adjacent fabrics wetted in perspiration solution under standard pressure. Paramount *perspirometer I™* is appropriate equipment for the test according to International Standard.

**EQUIPMENT**

Paramount *perspirometer™* is completely made of Stainless Steel Grade 316 which can accommodate Twenty One 115 x 60 mm acrylic separator plates to test 20 samples together. A specially designed standard load of 5 kg is provided to meet the specification of International standard (Note: A different load for AATCC Standard is also available, on request). Special Stainless Steel springs are also provided to compensate the shrinkage of samples, as the specimen dry out.

**SALIENT FEATURES**

- Specially designed equipment to determine colorfastness to perspiration.
- Ergonomic latest design with modern aesthetics.
- Supplied with 5Kg load to meet the specification of International standards.
- 10lbs weight as per AATCC is also available on demand.
- Stainless steel grade 316 body for durability & long life operations.
- The equipment can accommodate up to 20 samples together
- Smooth precision engineered components for excellent performance.
- Complete with all accessories –acrylic palates, adjacent fabrics etc.
- Supplied with calibration & inspection certificates.

***perspirometer™* is supplied complete with below accessories.**

Main Unit (Made of Stainless Steel Grade 316)	: 02 Nos.
Calibrated Dead Weight (Made of Stainless Steel, Grade 316)	: 01 No.
Acrylic Separator Plates	: 21 Nos.
Standard Adjacent Fabrics 10x 4cms. (Pack of 100)	: 02 Pkts.
Dust Cover	: 01 Nos.
This User's Manual	: 01 No.
Inspection & Conformance Certificate	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.



**TECHNICAL DETAILS**

Frame Construction	: Special Stainless Steel (316)
Load on the Test Specimen (As per ISO)	: 5 Kg. (5000 Gms.)
Size of Test Specimen	: 100 mm x 40 mm
Size of Acrylic Separator Plates	: 115 mm x 60 mm
Number of Separator Plates	: 21 Nos.
Dimensions of the (Unit)	: 225 (L) x 72 (W) x 182 (H) mm 9(L) x 3 (W) x 7 (H) Inch.
Net weight of the (Unit)	: 8.3 kg. (Approx) (18.26 lbs)

**RELATED STANDARDS**

- ISO 105
- BS 1006
- AATCC 15, 106, 107 - 1997
- BS EN 20105
- IWSTM 6, 174, 175
- DIN 54005, 54006, 54007, 54020



**AATCC  
CORPORATE MEMBER**



**Patron Member**



**Member Bureau of  
Indian Standards**