

TECHINICAL DETAILS

OF

*perspiro*METER I

1. 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 *perspiro*METER I™ is appropriate equipment for the test according to International Standard.

2. EQUIPMENT

Paramount *perspiro*METER™ 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.

3. SALIENT FEATURES

- Specially designed equipment to determine colorfastness to perspiration.
- Ergonomic latest design with modern aesthetics.
- Smooth precision engineered components for excellent performance.
- Supplied with 5Kg weight to meet the specification of International standards.
- 10lbs weight as per AATCC is also available on demand.
- Up to 20 samples can be tested at a time.
- Complete with all accessories –acrylic palates, adjacent fabrics etc.
- Supplied with calibration & inspection certificates.



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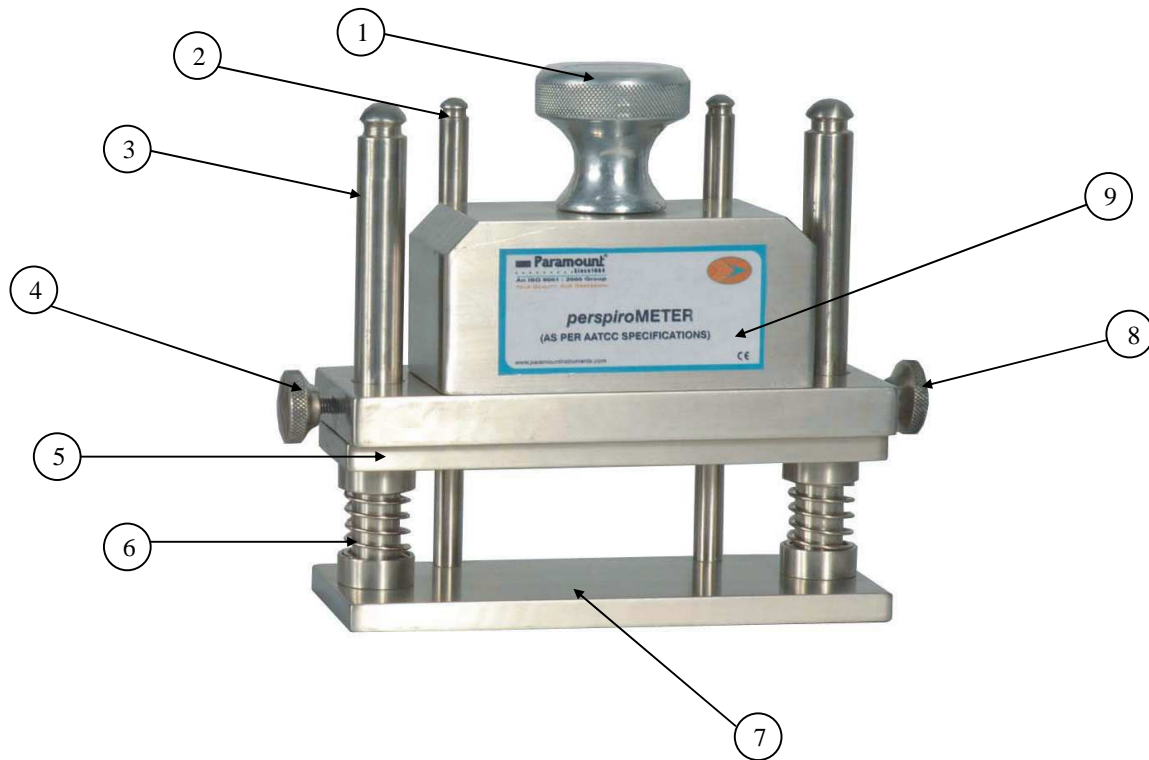


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4. DETAILS OF THE MAIN UNIT OF *perspirometer I*™



1. Knob of Calibrated Dead Weight.
2. Supporting Rods - 02 Nos.
3. Guide Rods – 02 Nos.
4. Top Loading Plate of the Unit.
5. Center Loading Plate of the Unit.
6. Compression Stainless Steel Springs (For Perfect Tension) (Both Sides)
7. Base of the unit.
8. Knobs for tightening the top plate (Both Sides).
9. Calibrated Dead Weight.



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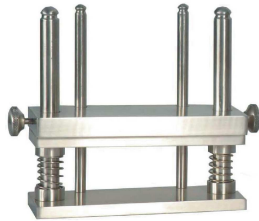


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5. DETAILS OF THE ACCESSORIES SUPPLIED WITH *perspiro*METER I™



Main Unit



Calibrated Dead Weight
(Made of Stainless Steel)



Standard Adjacent Fabrics
(Pack of 100) – 02 Nos.



Dust Cover



Acrylic Separator Plates
21 Nos.



This User's Manual



Calibration & Inspection
Certificate

***perspiro*METER I™** 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.



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6. 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)

7. RELATED STANDARD

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

NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.



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