

The Perspirometer is used to determine **color fastness test to perspiration**, cold water and sea water on leathers, fabrics, plasticized PVC and other materials. The same instrument is employed to predict the **phenolic yellowing tester**.

The Perspiration Tester allows to perform 3 tests:

### 1. TRANSPIRATION TEST

Instruments to check colour fastness to perspiration acidic and alkaline sweat in compliance with the following standards: IUF 426 (ISO 11641); UNI EN ISO 105 E04; BS 1006; BS EN 20105; AATCC 15; IWS TM 175

### 2. COLOUR FASTNESS TO WATER - HYDROTEST

Instrument to check color fastness to water, swimming pool and sea water in compliance with the following standards: IUF 421 (ISO 11642, UNI EN ISO 105 E02, UNI EN ISO 105 E03, UNI EN ISO 105 E01, BS 1006, BS EN 20105, AATCC 106, AATCC 107; IWS TM6.);

### 3. MIGRATION TEST

Instrument to check colour yellowing to phenolt, according to regulations: IUF 442 (ISO 15701); ISO 105 X10 and AATCC. After insertion of the specimens, the Perspirometer is transferred to an Incubator for a pre-determined period.

Following incubation, the Perspirometer is removed and specimens are graded using *gray scales*.

The Perspirometer comprises a stainless steel frame, having top and bottom plates and an intermediate spring plate. The springs, which act on this plate, are designed to maintain a uniform pressure on the specimens, as they are drying out in the *Incubator*.

Perspiration fastness testing is carried out by immersing the specimens in both *alkaline and acidic solutions*. Acrylic separator plates are used for colour fastness tests and glass plates for phenolic yellowing tests.

### FEATURES

- Entirely composed in AISI 316 Stainless Steel;
- equipped with n.1 weight of 5 Kg give a load to the specimen
- sample holder unit containing 21 plexiglass/acrylic normalized separator plates
- possibility to effectuate up to 20 tests all the same time.

DIMENSIONS: 150 X 170 X 80mm

WEIGHT: 8Kg

### SUPPLIES FOR PESPIROMETER

- set of acrylic/plaxiglass separator plates for colour fastness tests;
- set of glass separator plates for phenolic yellowing tests;
- Multifibre witness fabric DW ISO 105F10;
- Grey Scale for assessing change in colour or degrade according to ISO 105 A02;
- Grey Scale for for colour staining and/or transfer according to ISO 105 A03;
- Acid or Alkaline solution of perspiration 1000ml (Istidina Cloridrato);
- Acid or alkaline powders 500 gr;
- Set of white soft plastic-coated PVC/L 50 x 30 (IUF 442-ISO 15701);
- Set of sheets PVC/T migration test 100x40 (ISO 105-X10);
- Incubator.

