

LABORATORY EQUIPMENTS



Made in EU

Pegasil[®] by **ZIPOR**



"BALLY" penetrometer with 4 stations

EL-26/4

Standards: SATRA TM171 ; EN ISO 20344:6.13 ; IUP 10 ; EN 13518 ; ISO 5403

Commercial Services:
Tel.: +351.256 831 411
Fax: +351.256 831 412

ZIPOR - Equipamentos e Tecnologia Industrial, S.A.

email: pegasil@zipor.com

Technical Services:
Tel.: +351.256 888 240
Fax: +351.256 888 121

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"BALLY" penetrometer with 4 stations

DESCRIPTION:

Principle:

The specimen (any boot or shoe upper leather) is flexed in a manner simulating conditions of wear. Measurements are made of the following quantities:

- A)** The duration of flexing which is just sufficient to cause water to penetrate through the sample from one face to the other ;
- B)** The percentage gain of weight of the specimen due to water absorption during one or more specified time intervals from the beginning of flexing ;
- C)** The mass of water which is transmitted through from one face to the other during one or more specified time intervals.

The apparatus comprises the following:

- . Six pairs of cylinders 30.0 mm diameter, made of inert, rigid material which is an electrical insulator.
- . An electric motor which drives the movable cylinder backwards and forwards along its axis with crank motion at 50 cycles per minute.
- . Four amplitudes of the crank motion can be selected, such that the length of the trough is reduced by: 5% ; 7.5% ; 10% or 15% when the cylinders approach one another.
- . Ring shaped clamps to clamp the longer edges of the specimen round the adjacent end of the cylinders so that the leather forms a trough whose ends are closed by the cylinders.
- . A tank containing distilled water, in which the trough shaped specimen can be immersed.
- . An electrically operated device which provides a signal to indicate when penetration of water through the specimen has occurred.
- . Partial counters (one for each test station).
- . A digital timer.

Supplied with:

. Operating instructions ; conformity / calibration certificate
. Press knife ; copper mesh ; 4 probes ; 4 pairs of champs

Standards:

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Power Consumption:

400 W

Noise:

65 db

Power Supply:

220 V.AC - 50 / 60 Hz

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