

“BALLY” Penetrometer

HILAB model H033



Purpose – Determine the resistance of leather or other material to water penetration when repeatedly flexed, according to EN ISO 5403-1; EN ISO 20344:6.13; ISO 17702; SATRA TM171.

This equipment is produced with four or six stations

The command of this equipment is entirely made through a touch screen and a PLC, in which runs a specific application that allows the free configuration of the test program, namely the compression stroke, test duration and inspection intervals.

Machine has an automatic penetration system that generates an alarm when penetration occurs. This automatic system, that is controlled individually, station by station, can be deactivated through program and, in this case, the detection will be done by operator visual analyzes made at predetermined intervals.

For each function selected (water penetration, water absorption and water transmission), at end of the set time, the program generates an alarm to warn the operator to take the appropriated action namely to weigh the samples, make the visual inspections, insert absorbent cloth, etc.

HIGHLIGHTS

High precision:

With this system the mechanical system becomes simpler and stronger, guarantying high precision and repeatability, both in zero position and compression stroke, even under maximum compression force.

Operating facility:

As the system is totally controlled by a program, the definition of the compression stroke is made selecting it in the touch screen, eliminating the need of change mechanical parts. The composition of the test program is free and easy. The alarms generated by the system facilitate the control of the test steps by the operator.

Absence of maintenance:

As the system incorporates fewer mechanical parts and is stronger, the wear of system is almost nonexistent. The main parts of the equipment are made of stainless steel and aluminum and the cylinders over which the samples are mounted, are made in technical plastic material.

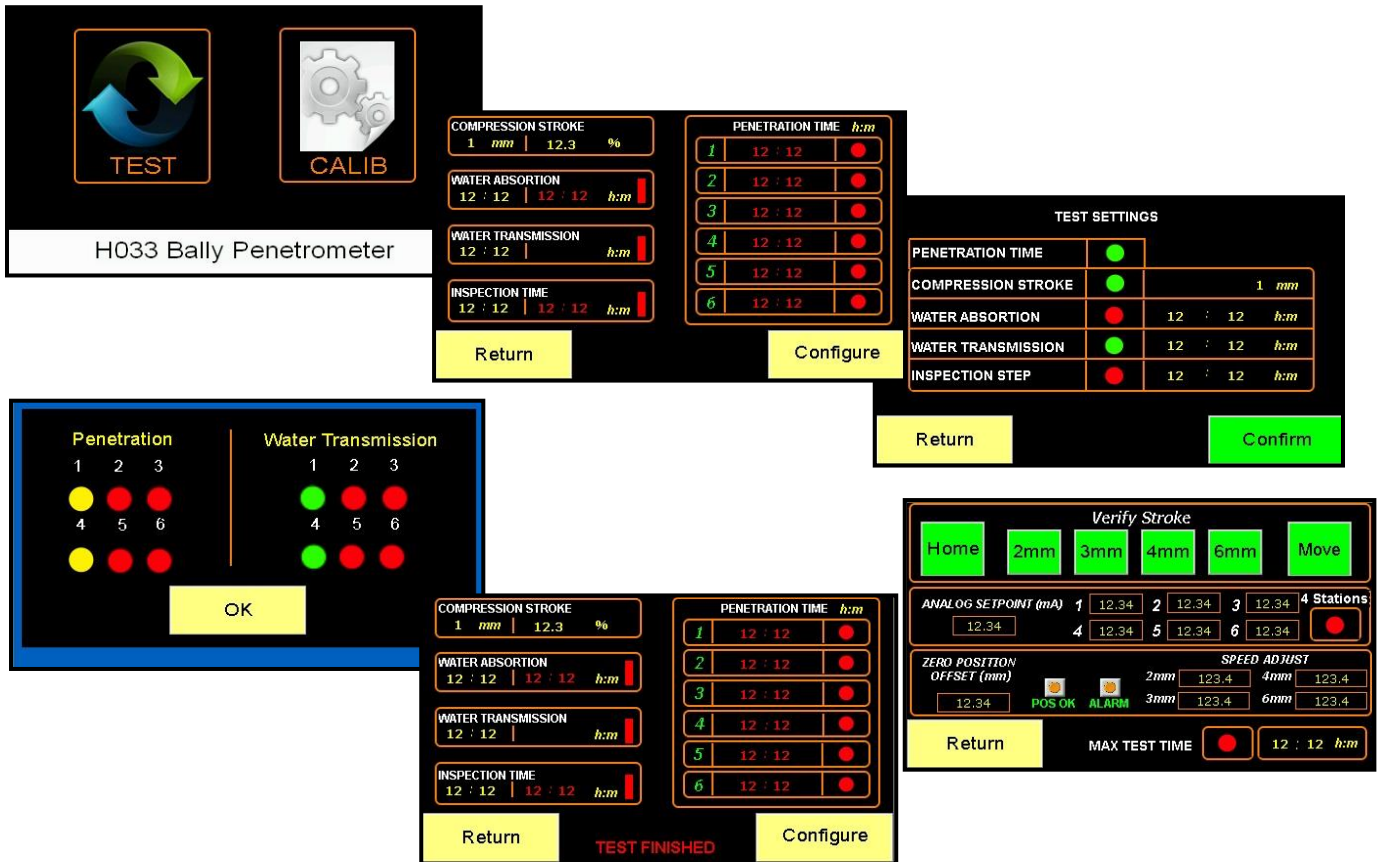
HILAB – Test Equipments & Consulting

Rua 16 de Maio, 308

3700-100 S. João da Madeira – Portugal

Tel. 00 351 916927147 – emails: p.silva@hilab.pt

A FEW PRINT SCREENS OF THE PROGRAM



This machine is supplied with one sample cutting die and a special support to facilitate mounting the samples on the cylinders.

| | |
|---|---|
| <u>This equipment fulfils EC safety standards.</u> A conformity certificate is issued | Certificate of conformity with test standards and a Workshop certificate are issued |
| <u>The origin of this equipment is PORTUGAL.</u> A certificate will be is issued at dispatch time | Operation manual is delivered with equipment |

| TECHNICAL DATA | | | |
|-------------------------------|-------|-------------------|--|
| Voltage | (VAC) | 230 ± 10 | Note: The machine must be installed over a strong and rigid bench. |
| Frequency | (Hz) | 50 | |
| Power | (W) | 350 | |
| Compressed air | (bar) | No | |
| Dimensions (W x H x D) | (mm) | 480x500/640 x 450 | |
| Net Weight | (Kg) | 45 | |

Due continuous technical development, we reserve the right to introduce product changes, without previous notice.