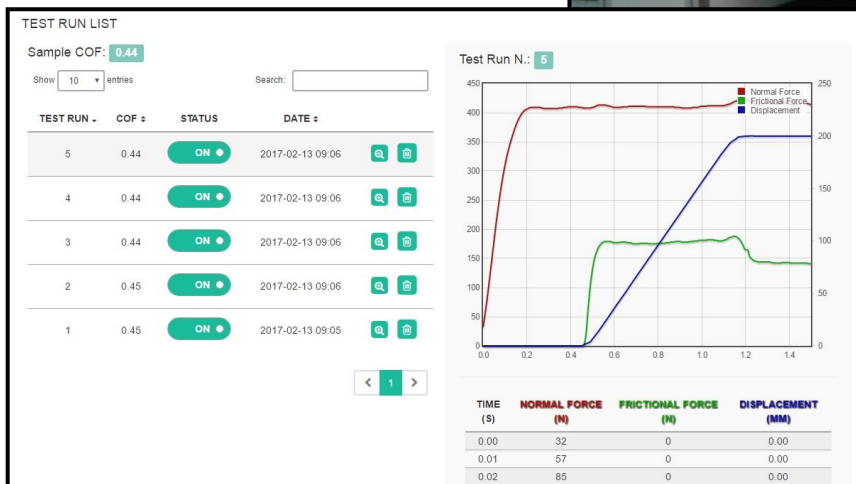
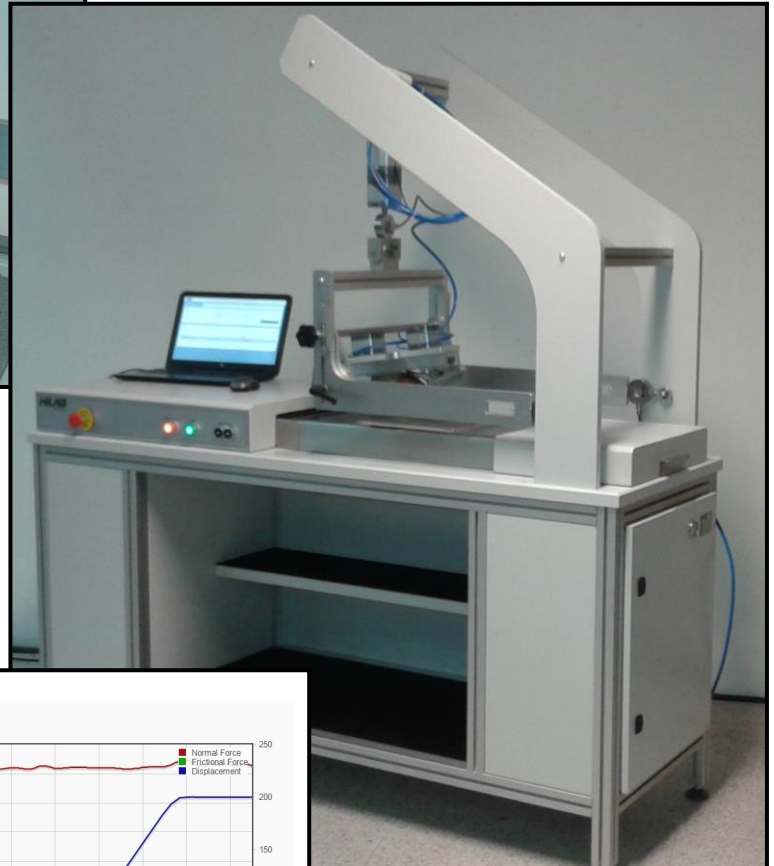


### SLIP RESISTANCE TESTER

*HILAB model H080*



**Purpose:** Determining the coefficient of friction between footwear, its components, and floorings, according EN ISO 13287; EN ISO 24267; EN ISO 20344; ASTM F2913; SATRA TM144.

**HILAB - Test Equipments & Consulting**

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## **Equipment description:**

A special control and data acquisition system designed for this application allows creating and storing test methods. The calculations are automatically made and can be verified based on individual values acquired by the system. The results of each individual test run are stored in the database which allows the generation of multiple graphs and a test report. As all test dates are individually stored in the database, is possible, any time, to edit each test, reanalyze it and if requested make new test runs.

The access to the test program, test results and all configurations is made through a three-level permission access. "User", "Admin" and "Super Admin".

Software was specially designed and developed for this application to make it very easy to perform the testing procedure.

**NEW:** Installation and change of specimens on the machine is a very easy procedure due to a pneumatic quick clamp system.

Remote assistance to the software program and technical support are made by internet through the application TeamViewer. For this purpose, it is necessary to have a wireless internet connection.

This equipment was developed according all demands of the standards and all international safety rules using high quality materials, mainly aluminium and stainless steel, to guaranty long life with less maintenance and the components are from world wide recognized brands with guaranteed world distribution and assistance.

## **Standard configuration of the equipment:**

The equipment is delivered with the following items:

<i>Item</i>	<i>Quant.</i>	<i>Notes</i>
Computer and test program	1	Laptop type, 15,6" or All-in-one + Windows 10
Shoemaking last	10 pairs	Standard type
Standard ceramic floor	6	According standard
Standard silicon carbide paper	6	According standard
Standard rigid wedges	2	According standard
Standard Slider 96	2	According standard
Backing Plate	2	According standard
Device to attach backing plate and Slider 96	1	According standard
Kit of tools to allow external calibration of forces	1	Vertical and horizontal

**NOTE:** Glycerol, detergent solution, ethanol solution and propanone are not included due Customs restrictions.

## **At extra costs, we can supply:**

- Stainless steel floor;
- Mechanical foot;
- Roughness meter;
- Ice Slip Apparatus.

## Equipment Calibration:

Before dispatch equipment is fully calibrated by our technical team and a “**Workshop Calibration Certificate**” issued, showing that all obtained parameters values are according to standard demands.

A Certificate of Calibration, issued by an external and accredited entity, can be supplied at **extra cost**.

Equipment and program are fully prepared to allow the calibration procedure independently of the entity named to perform the calibration.

## Floors Calibration:

Despite all floors supplied are calibrated, according with standard requirements, some intercalary calibration is necessary. For this purpose, equipment is supplied complete with necessary tools and consumables.

## Installation and training:

The equipment is supplied ready to be installed, with a complete manual that allow self-installation and operation. Despite that, we can provide the installation and training, at client request.

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

<b>TECHNICAL DATA</b>			
<b>Test sliding velocity</b>	(m/s)	0,3±0,03	Selectable through test program facilities
<b>Vertical force</b>	(N)	250, 400 and 500	Automatically selected according to specimen size.
<b>Contact angle</b>	(°)	7±0,5	Adjustable
<b>Voltage</b>	(VAC)	230 ± 10	<b>Note:</b> Machine must be installed in a strong, rigid and leveled floor.
<b>Frequency</b>	(Hz)	50	
<b>Power (including PC)</b>	(W)	900	
<b>Compressed air</b>	(bar)	8	
<b>Dimensions (W x D x H)</b>	(mm)	1800 x 700 x 1950	
<b>Net Weight (including base)</b>	(Kg)	160	

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