

Cold Insulation Tester, HILAB model H029



Purpose – Asses the cold insulating properties of the sole complex of footwear, **according EN ISO 20344:5.16 (see table below)**.

Equipment is composed by a cold chamber with a very accurate temperature control.

Test specimen is placed inside the cold chamber over a cooper plate.

Test specimen is previously prepared with a temperature probe and filled with steel balls.

Temperature reading system **automatically record** the temperature at beginning and after 30 minutes and calculate the decrease of temperature, as demanded by standard.

Through the console it is possible to configure the number of reading points during the test

time, allowing to evaluate the behavior of the shoes in terms of insulation. The test time is 30 minutes by default but can be set to another value.

Another important feature of the program is the detection of power failures, indicating the beginning and end of the failure. These two characteristics together allow the test to be autonomous and maintain the accuracy.

All pieces of this equipment that are contacting with test sample are made from stainless steel or plastic to avoid oxidation.

Characteristics		Value	Notes
Chamber temperature (regulated)	°C	17 ± 2	----
Internal probe accuracy	°C	± 0,5	----
Copper plate	mm	5x150x350	----
Stainless steel balls (4 Kg)	mm	∅ 5	----
Voltage	VAC	230 ± 10	----
Frequency	Hz	50/60	----
Power	W	600	----
Dimensions (F x H x D)	mm	820 x 800 x 870	----
Net Weight	Kg	120	----

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

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