AIR PERMEABILITY TESTER

Features

- A quick and comfortable way to measure air permeability: it's as simple as inserting the sample and operating the lever - after 3 sec onds, the value is shown on the display
- Hand lever, automated testing
- 14,2 mm high digital display
- RS-232 interface cable option that allows reading the measured value directly to a per sonal computer
- The included software is able to list the values into each standard spreadsheet as well as into your quality control program

The Akustron air permeability tester measures the air permeability of filter papers, non-wovens and textile fabrics within seconds.

Easily transportable, this unit is ideal for monitoring material on the production line, inspecting incoming material on-site and on-going quality control in the lab. Constructed of the most rugged materials, the Akustron withstands the demands of constant usage.

Operation

Automated testing ensures there are no user related variables. The sample is inserted into the slot, and the lever is pulled forward. This clamps the sample and begins the testing automatically.

The method of measurement is based on two, long-life approved speakers. The speaker in the lower enclosure generates an oscillating aircolumn which displaces air through the test sample. A second speaker in the upper enclosure works as a sensor and measures the amount of air that passes through the clamped sample.

The measurement is completed in about 3 seconds, and results are shown immediately on the integrated digital display. An RS-232 interface is able to send the test data directly to a PC.

Akustron software is included and automatically displays the test data into an already opened spreadsheet.
The data can also be downloaded directly to a company's existing quality control program.
The ease of operation ensures highly repeatable results and studies have proven that the results correlate accuratly with DIN 53 887, DIN 53 120, ISO 9237 and ASTM D 737-96. A brass test-plate is available to check the accuracy on a regular basis.

Technical specifications

Measurement range
Air permeability between :
4 to 400 cfm (cb.ft/sq.ft min) at rp = 0.5 inch H2O = 127 Pascal
3 to 3000 l/m2 s at rp = 200 Pascal
3 to 3000 mm/s at rp = 200 Pascal

Power requirements
110-120 / 220-240 V, 50/60 Hz

Power usage
30 V/A

Power fuse
500 mA

Physical specifications

Dimensions
16 x 27 x 20 cm (W x L x H)

Net Weight
5 kg

Sample dimensions
Size: 5 x 12 cm minimum
Thickness: 3 mm maximum

Options

- Two brass testplates for accuracy verification
- RS-232 interface cable option that allows reading the measured value directly to a personal computer

Standards

DIN 53887, 53120, ISO 9237, ASTM D737-96

RYCOBEL GROUP
Nijverheidslaan 47
8540 Deerlijk , België
T +32 (0)56 78 21 70
F +32 (0)56 77 30 40
E info@rycobel.com
www.rycobel.com

rycobelgroup
Proven quality