



**Thwing-Albert
Instrument Company**

More Than a Century of Testing Solutions

IDM[®]
instruments

Gurley Automatic Densometers & Smoothness Tester Model 4340

The Model 4340 Automatic Densometer & Smoothness Tester measures the porosity, air-permeability or air resistance of sheetlike materials. It combines the abilities of a low, standard and high pressure tester with a digital timer that provides a reading in seconds. An auto-drive mechanism, enables you to program the number of tests as well as the span they are tested over. Therefore, a sheet or strip of paper can be analyzed automatically.

Applications

- Porosity and smoothness of paper, textiles, paperboard, films, membranes, filter media, packaging, perforated metals and others.
- Quality control — Air permeability can be a direct representation of the uniformity of material.
- Analyze effects of treatments such as coatings, sizing agents, inks, resins or other additives.

Choice of Outputs

Porosity:	Standard Gurley Low Pressure Gurley High Pressure Gurley Sheffield units Bendtsen units
Smoothness:	Standard Gurley smoothness Sheffield units Bendtsen units Bekk units

Specifications

Instrument Dimensions (L x W x H):
15.75" x 12.5" x 9.25" / 400 x 317.5 x 235 mm

Power Rating: 120V/60 Hz, 220 V/50 Hz

Weight: 28.7 lbs (13 kg)

Requires at least 40.5 PSI



▲ 4340 Automatic Densometer & Smoothness Tester measures porosity and air-permeability of sheet-like materials.

Applications

- Porosity & smoothness tests
- Automatic & manual test modes
- Output in seconds - improves efficiency
- Programmable auto-drive mechanism
- Interchangeable orifices:
1.0 sq.in. standard
0.25 & 0.1 sq.in. optional
- RS-232 computer output

Specifications subject to change without notice.

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