



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Gurley Densometers

Densometers are the accepted standard for measuring the porosity, air-permeability or airresistance of sheet-like materials such as papers, wovens, plastics and membranes. There are several models available for testing a wide range of materials.

Standard Pressure Densometers

The densometer test measures the time required for a given volume of air to flow through a standard area of material under uniform light pressure. The air pressure is supplied by an inner cylinder of specific diameter and standardized weight, floating freely within an outer cylinder partly filled with oil to act as an air-seal. The sample material is held between clamping plates having a circular orifice area of 1.0 (standard), 0.25 or 0.1 square inch (optional).

High Pressure Densometers

The high pressure densometers operate similarly to the Standard Pressure Densometers but are as great as twenty-five times faster. The increased speed is due to higher air pressure (12.20 inches H₂O) and air volumes are much smaller (2.5cc to 30 cc).

Model 4320 Digital Timing Attachment

The Model 4320 works with all Gurley Densometers to provide automatic & manual program options, a built-in calibration program and calculation of mean & standard deviation. These features ensure an increased accuracy and productivity of the densometers. It has both RS-232 and Centronics output for interfacing with printers and PC's.



▲ A wide range of densometers are available for measuring porosity, airpermeability and smoothness.

Applications

- Test Filters, porous bags & materials where controlled porosity is essential.
- Test insulating materials for air resistance.
- Control the selection of materials with the correct degree of liquid absorption (ink, varnish, sizing).

Specifications subject to change without notice.

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