



PAP-TECH ENGINEERS & ASSOCIATES

SMOOTHNESS, POROSITY & SOFTNESS TESTER Model : PAP-2067-A (Gurley Type)

Smoothness, Porosity & Softness Tester Equipment is a standard instrument for measuring **Smoothness, Porosity** and **Softness** Tester is intended for testing the average Smoothness, porosity and Softness of paper and film.

APPLICABLE STANDARDS :

TAPPI T 479 SM 48, SCAN P 53
TAPPI T 460 M 49, SCAN P 19
TAPPI T 490 SM 58, APPITA P 420
ASTM D 726 58, CPPA P 14
SCAN D 202 55 T

OPTION :

Electronic self- starting timer for automatic measurement of air to pass through the test specimen, By the use of timer the operator error which occurs with the use of conventional stopwatch, can be completely eliminated.



TECHNICAL - SPECIFICATION

Effective area of Porosity :	645.16 mm ²
Contact area of smoothness :	645.16 mm ²
Contact Pressure smoothness :	0.21 Kg/cm ²
Softness contact area :	645.16 mm ²
Steel Plug - Height approx :	5/100 mm (100cc of air flows out in 10 sec.)
PRESSURE : Soft Paper (e.g. news paper) - Hard Paper. The unit is supplied complete with - Lifting Handle Sample Punch, Adopter plate, 3 weights, and 3 clamping plates. Air, at a low, uniform pressure is forced downward through an open tube to the upper orifice plate against which the sample is clamped. Each 50cc of air is marked and the test consists of timing the amount of air used in any three ways listed below:	
SMOOTHNESS TEST :	Lateral flow between several sheets.
POROSITY TEST :	Rate of flow through one square inch.
SOFTNESS TEST :	Rate of flow over the surface, which has been constructed by a given weight. Uniform clamping pressure is provided by a lever arm to which weight can be attached. The instrument conforms to the following standards.