



## **SAHARANPUR TESTING INSTRUMENTS PVT LTD**

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue,  
Packaging, Converting & General Testing Instrument for Laboratory

---

**PLOT NO 42-44, SRIRAM VATIKA IND. AREA, OPP. STATE BANK OF INDIA DELHI  
ROAD, SAHARANPUR U.P 247001 | Mob.: +91-9897044832, +91-9634261884  
Email : [stipl.pti@gmail.com](mailto:stipl.pti@gmail.com) /[info@stiplindia.com](mailto:info@stiplindia.com)**

### **Smoothness and Porosity (Bendtsen Type)**



Usage : for determining roughness and air permeability according to bendtsen method.

Standardization : ISO 5636 , TAPPI 535 , SCAN P 21 , P60 , BS4420.

Device Description : Roughness of paper or similar material is defined as the volume of air that forced by a specified pressure difference escapes in unit time by passing between the surface of the specimen and flat metal ring resting on a specimen and exerting a definite pressure on it. A sample is placed on a perfect plane glass plate, measuring head on the test piece a controlled and small air pressure pass through a flat metal ring and the specimen. The pressure difference read off on selected rotameter tube.

Test Description : A sample is placed on a perfect plane glass plate , measuring head is placed on the paper and the test piece , a controlled and small air pressure pass through a flat metal ring and the specimen. The pressure difference is read off on selected rotameter tube

Specifications :

Measuring Range	Three rotameter tubes ranging from 5-150 , 50-500 , 300-3000 ml/min
Contact pressure roughness	98kPa by measuring head of weight $267 \pm 0.5\text{gm}$
Air Pressure	Through pressure governor consisting of a rotating cylindrical body and 3 monostat weights that constant pressure approx. 0.75 , 1.5 and 2.25kPa.
Air permanence	10cm <sup>2</sup> area
Compressor	Special reciprocating compressor to provide oil and dust free air supply at 5.0 atmospheric pressure before the governor.
Power	220V , 1-Phase , 50-hz

Delivery Content :

Consumables :

Service and Startup :