

Bekk Smoothness Tester

Model No. 2043

Smoothness of paper is one of the important factors to evaluate writing and printing aptitudes of paper. With this machine, test is conducted in the following procedure: place a sheet of paper on the well-polished surface of glass constituting an optical surface, apply a 0.1 MPa pressure on the top of the paper and measure the time needed for a 10cc air to penetrate through the gap between the paper surface and the glass surface. To solve the problem of consumption of much time for measurement of specimens with a high smoothness, a rapid measurement system also is provided, which is able to measure penetration time of 1cc air, 1/10 of the standard air volume. For specimens of high smoothness, it is possible to supplement 0.25cc, 1/40 of the standard air amount (optional).



Specifications

Measurement Area:	10±0.05cm ²
Specimen Pressurization:	100kPa
Pressurization Type:	pneumatic type (with air cylinder) Automatically released after measurement
Specimen Detection:	detection with sensor (ON/OFF setting)
Vacuum Meter:	digital
Timer:	max. 99999.9 seconds
Measurement Vacuum:	50.7 to 48.0kPa Measurement air volume 10cc or 1cc (0.25cc optional)
Referential Standards:	JIS P-8119-1998, ISO 5627, TAPPI T479om-99
Power Source:	100/110VAC 50/60Hz 2A
Air Source:	0.5MPa
Outer Dimensions:	340 x 450 x 470mm
Instrument Weight:	30kg



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