

No. 2043

Bekk smoothness tester, HS model

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 0.1MPa 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).

Measurement area: 10 + 0.05cm²

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

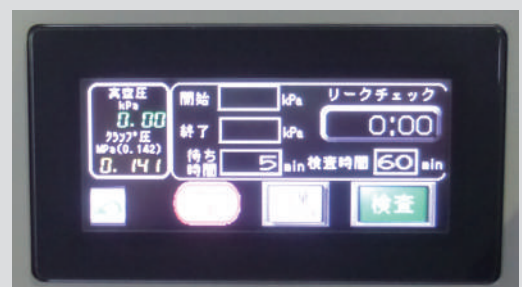
Instrument weight: 30kg



Measuring head



Operation panel



Leak-check window