

Smoothness Meter

Model No. DRK105



The Smoothness Meter is designed to measure paper and cardboard smoothness in accordance with (Bekk method) ISO5627-1995.

It is applied to measure smoothness of paper and cardboard sheets less than 0.5mm or with freer air permeability.

The unit has a high accuracy vacuum sensor and is controlled by microprocessor to vacuum the container quickly. It has powerful data processing, not only can a sample result be automatically stored, but the unit can also analyze group of specimens to show the average, maximum, minimum, standard drift and variation ratio. All the results can be stored and displayed by LCD.



Technical characteristics:

1. Glass board: donut, dimension: Big diameter 37.4 ± 0.05 mm, small diameter 11.3 ± 0.05 mm, valid dimensions 10 ± 0.05 cm²
2. Compression board: flat circle board with diameter 45mm, touching specimen with pressure (100 ± 2 Kpa)
3. Rubber pad: thickness 4 ± 0.2 mm, maximum variation of thickness ± 0.05 mm, hardness 40 ± 5 IRHD(International Rubber Hardness)
4. Small vacuum container: vol. (380 ± 5) mL
Big vacuum container: vol. (38 ± 1.5) mL
5. Test range: (1-9999)s; three stalls:(1~15) s, (15~300) s, (300~9999) s
6. Test stalls:
1st stall: big vacuum container (380mL), vacuum 50.66kpa~48.00kpa
2nd stall: big vacuum container(38mL), vacuum 50.66kpa~4800kpa
3rd stall: big vacuum container(380mL) vacuum: 50.66kpa~29.33kpa
7. Time precision: (1-300)s less than ± 0.1 s, (300~9999)s less than ± 1 s
8. Printer: SP—E1610 mini-printer
9. Power: AC220 \pm 10V 50Hz 1A