

## PN-COBB Cobb Tester

### ➤ Introduction

PN-COBB tester is a measuring instrument developed by our company based on the latest national standard GB / T 1540 and ISO 535 to measure the water absorption of paper and paperboard using the Cobb method. It is suitable for sizing paper and Water absorption on cardboard surface, not suitable for basis paper and embossed paper with basis weight less than 50g / m<sup>2</sup>, low sizing degree or more pinholes; not suitable for unsized paper and cardboard; not suitable for accurate evaluation Writing performance of paper or cardboard.

Cobb tester is a test of the water absorption capacity of the paper or cardboard surface. Cobb value: Under certain conditions, within a specified period of time, the mass of water absorbed by the surface of the carton board per unit area is expressed in grams per square meter (g / m<sup>2</sup>).



\*Total test time recommended by international standards to remove excess water and perform water absorption

Recommended time (S)	Mark	Time of remove excess water (S)	Time to finish absorbing water (S)
30	cobb30	20±1	30±1
60	cobb60	45±1	60±2
120	cobb120	105±2	120±2
300	cobb300	285±2	300±2
1800	cobb1800	1755~1815	After remove excess water 15±2

### ➤ Standards

GB/T1668, GB/T1540, ISO535, TAPPI T441

### ➤ Specifications

1. Test area: 100cm<sup>2</sup>±0.2cm<sup>2</sup>;
2. Test water volume: 100mL±5mL;
3. Roll length: 200mm±0.5mm;
4. Roll mass: 10kg±0.5kg;
5. Dimension: ( 396×315×300 ) mm;
6. Net weight: about 32kg.