



**Thwing-Albert  
Instrument Company**

*More Than a Century of Testing Solutions*

## Gurley Cobb Tester

The Cobb Sizing Tester provides an economical and practical means of determining liquid absorptiveness or resilience of treated and untreated papers, boards, fabrics and other sheet material. It can be used with a variety of liquids including water, oil, ink, and water based solutions.

The complete kit consists of the Cobb test apparatus, a 10 kg roller and a supply of blotting paper. The roller method is recommended to ensure better consistency and reliability than manually blotting or rubbing the specimen.

### Test Method

The Cobb Sizing Tester consists of a hollow metal cylinder, a metal base plate, a clamping device to hold the ring against the sample and a neoprene mat to ensure a tight seal.

A 12.5 cm x 12.5 cm test sample is weighed and then placed on the neoprene mat and clamped. Pour the test liquid (100ml for 100 sq. cm cylinder) and start timing the test immediately (test duration typically 120 seconds).

At 15 seconds prior to test completion, remove the liquid from the cylinder, unclamp the sample, quickly remove the ring and place the sample (wetted side up) on a sheet of blotting paper. At the exact end of the test period place a second sheet of blotting paper on top of the sample and remove excess liquid by moving the hand roller once forward and backward over the sample. The sample is now reweighed to obtain the weight of liquid absorbed.

*Specifications subject to change without notice.*



▲ Cobb Tester

### Features:

- Metal Ring: 100, 25 or 10 cm<sup>2</sup>
- Roller: 20 cm wide face
- Roller Weight: 10.0 + 0.5 kg

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