

KASON-CWAT50 Cobb Water Absorbency Tester



(The picture is for reference only)

Introduction:

The paper and paperboard absorbency tester is a commonly used laboratory testing instrument developed by our company in accordance with the requirements of the national standard GB/T1540-2002 "Determination of water absorbency of paper and paperboard (Cobb method)". It is mainly used to determine the surface water absorbency of sized paper and paperboard, including corrugated paperboard.

Standards:

GB/T1540-2002 "Determination of water absorption of paper and paperboard (Cobb method)" etc.

Technical Principles

1. Cobb Absorption Value of Paper and Paperboard Surface: The amount of water absorbed by the surface of paper and paperboard per unit area under certain pressure and temperature within a specified time, expressed in g/m^2 .
2. The specific formula is as follows: $C = (G_2 - G_1) \times 100$. Where: C - Cobb absorption value; G_2 - mass of the sample after water absorption; G_1 - mass of the sample before water absorption.
3. The paper and paperboard absorbency tester is a standard instrument for testing the surface absorbency of paper and paperboard, also known as a paper surface absorbance weight analyzer. This instrument uses the Cobb test method, one of the various methods for absorbency testing, and is therefore also called a Cobb absorbency tester.

Specification:

Model	KASON-CWAT50
Test cylinder inner cross-sectional area	100±0.2 cm ²
Test cylinder depth	50mm
Metal flat roller length	200±0.5mm
Metal flat roller weight	10±0.5kg
Test water consumption	100mm±5ml
Absorbent paper basis weight	200~250g/m ²
Absorbent paper absorption rate	75ml/10min
Data output method	Thermal printer
Data storage capacity	99 groups
Dimensions	480 mm (L) × 400 mm (W) × 420 mm (H)
Weight	About 26kg
Operating environment	Temperature 15°C-50°C; Humidity ≤80%; No condensation
Standard configuration	Instrument main unit, pressure roller, absorbent paper, timer, technical documents
※Note: For users with special needs, our company can provide customized production within our capabilities to meet their requirements.	

FOCUS IN MATERIAL TEST

KASONTTEST®

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