

# ACT AUTOMATIC COBB TESTER MODEL 61-76



## See the water uptake as it happens!

This innovative principle offers a completely new opportunity to characterise and understand the phenomena of dynamic water absorption. Here the water uptake is continuously monitored across a full 100 cm<sup>2</sup> area of sized paper or board as a function of time. Apart from the total amount of absorbed water over 60 seconds, this technology reveals the different dynamic components of water absorption.

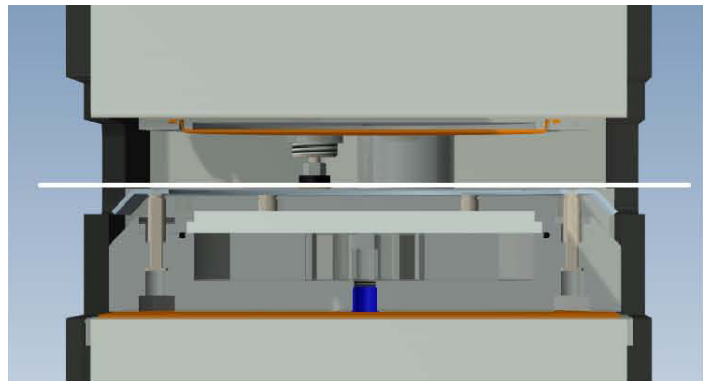
Once the operator has inserted the test specimen, the test is done automatically by the instrument as no weighing or blotting of the specimen is required. This way the regular operator time of three minutes for a 60 second Cobb test is reduced to only a few seconds for loading of the specimen.

## FEATURES

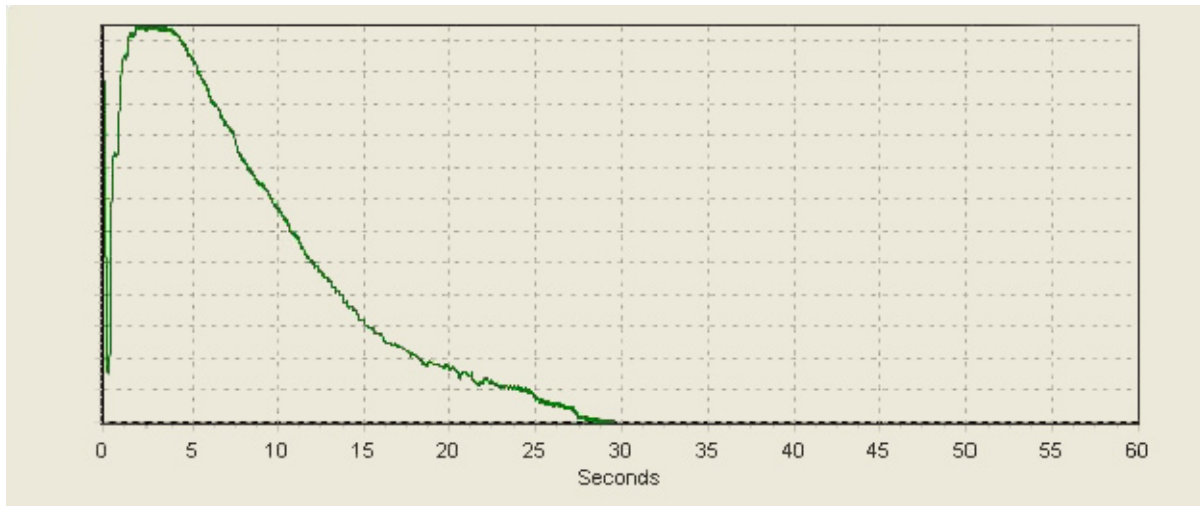
- Continuous monitoring of the water uptake in real-time reveals the dynamic absorption as it happens
- Suitable for sized paper and board
- Tests a full 100 cm<sup>2</sup> large area
- Fully automatic operation reduces operator time from several minutes to a few seconds
- No operator training required:
  - no weighing of sample
  - no blotting paper used
  - no heavy Couching Roll

## MODE OF OPERATION

The specimen is clamped in a closed chamber against a porous membrane saturated with water. The absorbed amount of water is then continuously monitored using a precision level sensor. After a preset time (e.g. 60 seconds), the test is automatically terminated, free water on the test surface is removed and the clamp is opened up releasing the specimen. A Cobb value is finally displayed together with the curve showing dynamic water absorption as a function of time (*see reverse for chart*).



# ACT AUTOMATIC COBB TESTER MODEL 61-76



A Cobb value is finally displayed together with the curve showing dynamic water absorption as a function of time.

<b>Technical specifications</b> <i>(This instrument is delivered with an integrated computer module)</i>	
Signal interface	USB, LAN 10/100, COM-port
Test cycle time	15, 30, 60, 120, 180 seconds
Sensor resolution	0.1 Cobb
Repeatability	±0.5 Cobb
Specimen size	min. 150 x 150 mm
Water supply	clean, filtered (<8 µm)
Water volume/test	< 100 mL
Air supply	8 bar ( 110 psi)
Power supply	100-240 VAC, 200 W
Dimensions (HxWxD)	490 x 190 x 320 mm
Shipping Dimensions	58 x 46 x 48 cm ( 0.13 m³)
Weight (Net/Gross)	26 /35 kgs

©2012 Testing Machines, Inc. All rights reserved. Specifications subject to change.

**Luhne Messtechnik**  
Inhaber: Herr Dipl.-Ing.(FH) Stefan Luhne  
Kölnerstrasse 167  
D-41199 Mönchengladbach

Telefon: +49 (0)2166 / 68 18 88  
Telefon: +49 (0)2166 / 68 18 20  
Telefax: +49 (0)2166 / 146 51 70  
Email: info@luhne-messtechnik.de  
Internet: www.luhne-messtechnik.de

**Bankverbindung:**  
Stadtsparkasse Mönchengladbach  
BLZ: 31050000 | Konto Nr.: 3578754  
Swift / BIC Code: MGLSDE33  
IBAN Nr.: DE5831050000003578754