

# No.309 Fenchel Expansion and Contraction Tester [Yasuda Seiki] To measure the stretching properties of paper paper board

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No.309 FENCHEL EXPANSION AND CONTRACTION TESTER



### J.TAPPI-No.27, ISO-5635

- This tester is used to measure the stretching properties of paper and paper board when it is submerged in water.
- After attaching the test specimen to the upper and lower Chucks and applying tensile force, the test specimen is to be submerged into water for a certain amount of time.
- The stretching properties of the test specimen will be read by transducer and the measurement value will be will be shown digitally displayed.

# **Specification**

Specifications are subject to change without notice.	
Model	No.309 FENCHEL EXPANSION AND CONTRACTION TESTER
Specimen	W15 mm, L150 mm
Chuck Distance	Max. 100 mm (Pitch 5 mm)

Weight	5 g, 10 g, 20 g, 50 g: 1 pc each
	Differential Transformer:
Displacement Measurement	Scale 0.01 mm, Stroke 0 to $\pm$ 10 mm,
	4 Digits Digital Displa
Temperature Measurement	_
Elevation Method	_
Software	_
Accessory	Glass Beaker
Power Source	AC 100 V, 1-Phase, 3 A, 50/60 Hz
Air Source	_
Dimensions/ Weight (Approx.)	Tester Body:
	W250 × D300 × H1,050 mm, 30 kg

Control Box:

W400  $\times$  D300  $\times$  H150 mm, 6 kg

# No.309-AUTO FENCHEL EXPANSION AND CONTRACTION TESTER (AUTOMATIC)



### J.TAPPI-No.27, ISO-5635

• The stretching properties are measured via digital encoder, automating the test procedure.

# **Specification**

Specifications are subject to change without notice.		
Model	No.309-AUTO FENCHEL EXPANSION AND CONTRACTION TESTER (AUTOMATIC)	
Specimen	W15 mm, L150 mm	
Chuck Distance	Max. 100 mm (Pitch 5 mm)	
Weight	5 g, 10 g, 20 g, 50 g: 1 pc each	
Displacement Measuremen	Digital Encoder	
Temperature Measurement	Digital Temperature Controller	
Elevation Method	Air Cylinder	
Software	Windows Compatible	
Accessory	Plastic Beaker	
Power Source	AC 100 V, 1-Phase, 3 A, 50/60 Hz	

Air Source	0.5 MPa or More
Dimensions/ Weight (Approx.)	Tester Body:
	W400 × D400 × H1,400 mm, 20 kg
	Control Box:
	W310 × D300 × H250 mm, 8.5 kg