

Confirms to TAPPI Standards

### **Stiffness Tester (Taber Type)**

A physical characteristic of paperboard which differentiates it from paper is its greater flexural rigidity, commonly called stiffness.

In other words, Stiffness is the ability to bend or resist bending.

For most of its uses, the economic value of paperboard depends upon its bending resistance (stiffness), and because this property is closely related to the amount of fiber in the board and hence to its cost, a quantitative measurement is of considerable interest to both producer and user. Bending resistance (stiffness) of paper relates to a number of end use applications, including wrapping, printing, etc.

### **General Specifications :**

Taber® Type Stiffness Tester

Confirms to TAPPI T-489

Suitable for Paper / Paperboard Stiffness Measurement using Taber method.

**Digital Model                      Model # ST-5D-V**

With Hybrid Stepper Motor and Drive for ultra-smooth, noise-free operation.

Capacity : 5000 gcm ( 1 gcm = 1 Taber Unit )

Resolution : 5 gcm

Accuracy :  $\pm 5$  gcm

Test Speed :  $210^{\circ} \pm 20^{\circ}$  per min.

2 Line, Backlit LCD display.

Embedded Push Button Control on panel.

Automatic Test Cycle. (Upon pressing Start, the Stiffness Tester will record the  $15^{\circ}$  Stiffness on Left Side and then  $15^{\circ}$  Stiffness on Right Side and come back to center parking position).

Results Shown : Left Stiffness, Right Stiffness and Average Stiffness.

No Human Error.

With Auto-Calibration Facility using Physical Weights.

**Calibration procedure and weight will be provided with the machine.**

**Includes Stainless Steel Templates for sample cutting.**



### **Utilities Required (To be supplied by the buyer) :**

1) Power Supply : 230/110 Volts AC at 50/60 Hz.

(Fluctuation Free Power required)

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