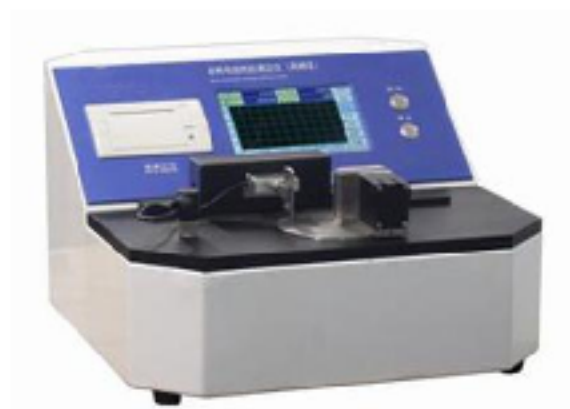


TD-10S
Microcomputer Bending Stiffness Tester



Application:

The bending stiffness tester is used to test the bending stiffness of paper and paperboard. The bending stiffness can be used to test the bending stiffness performance of sheet materials such as film, mica sheet, graphite sheet and composite material.



Parameter:

Sample size: 38*70mm(Standard size)

Actual measurement size: 38*50mm(standard)

Span range: span length 1~60mm, 5mm、10mm、15mm、20mm、25mm、30mm、40mm、50mm,8 Adjustable 8-gear lever.

Span accuracy: ± 0.1 mm

test range: (0~10000) mN

Sensing accuracy: $\pm 0.1\%$

Resolution: 0.01mN

Bending angle: 1~92 ° stepless

Angle measurement: a single angle is measured each time, and there is stepless range of 0 ~ 90 °

Angular velocity control: 0.5 – 50 °/sec adjustable . Three test angles and duration can be adjusted independently

Angle accuracy: ± 0.1

Measuring thickness: suitable for thickness in (0.01 ~5.0)mm Paper grade and other composite materials

Bending time: select different bending time according to the elasticity of the material

Sample fixture: manual fixture operation, automatic reset after test

Operation interface: 7inch touch screen operation interface, visual menu operation.

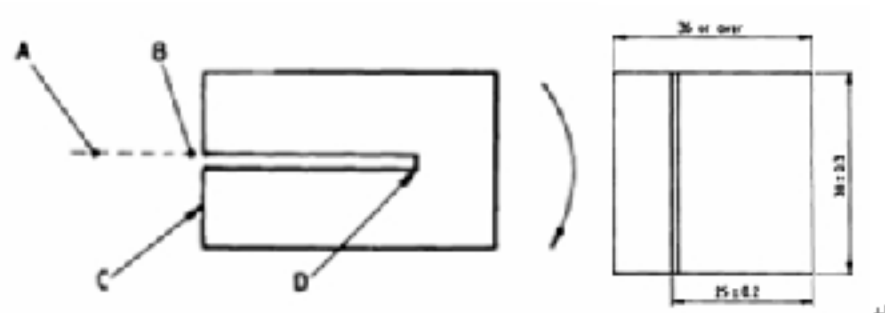
Clamping mode: unlimited clamping, non-destructive and continuous clamping

Signal output: standard computer signal output, link computer, IMT computer operating platform, can realize document editing (optional)

Self calibration: the equipment can realize self calibration, with calibration tools as standard

Printing output: modular integrated thermal printer

Cut some specimen with a certain size and installed on the bending stiffness tester. By measuring the force or moment that one end is clamped to a given angle, the force acting on the constant bending length is measured. Crease stiffness is according to the standard requirements of sample, clamping apparatus quite choice crease stiffness test items to be tested and get stiffness values result.

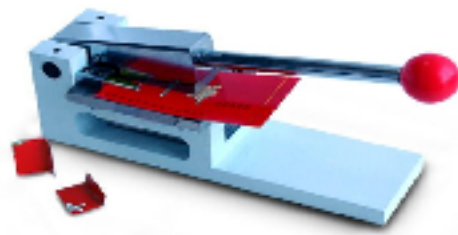


Crease stiffness specimen

Standard:

GB/T 2679•3 (ISO 2493:1992)、GB/T 23144 (ISO5628:1990,MOD)

special sampler for bending stiffness



Parameter :

Sample size: (70 * 38) mm folding stiffness; (38 * 36) crease stiffness

Parallelism of two long sides: $\leq 0.015\text{mm}$

Sample thickness: (0.1 ~ 1.2) mm

Overall dimension: about 300 * 90 * 90mm

Weight: 10kg