

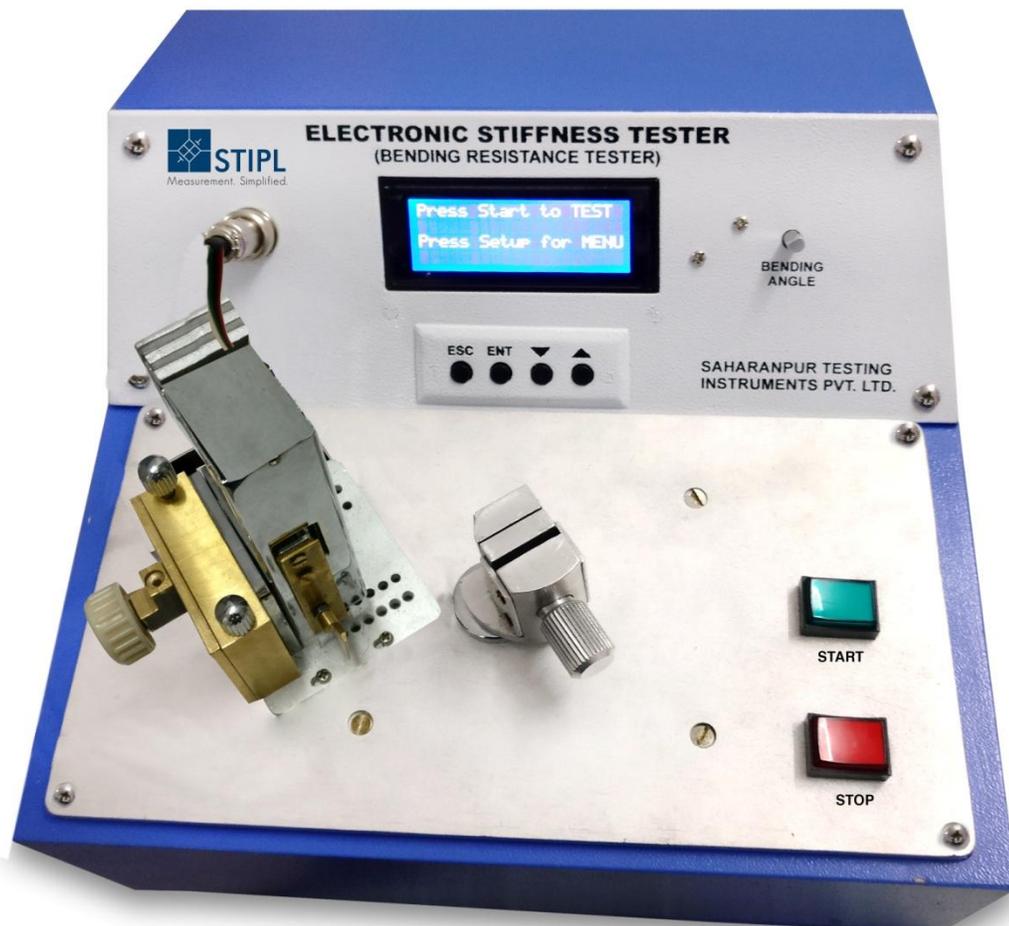


SAHARANPUR TESTING INSTRUMENTS PVT LTD

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue, Packaging, Converting & General Testing Instrument for Laboratory

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Bending Stiffness Tester



Usage : for measuring the bending resistance of paper , board or plastic .

Definition : *Bending resistance*, the resistance offered to a bending force by a rectangular specimen, which is clamped along one side, measured under specified conditions. The bending resistance is considered to be measured towards the side (felt or wire) that is concave during bending. Bending resistance is commonly referred to as “stiffness” .

Standardization : ISO 2493 , TAPPI T556 , SCAN P 29 , NFQ 03048 , APPITA/AS 1301 , DIN 53121

Device Description : The electronic stiffness Tester is easy to handle and calibrate. It is fast and efficient & paper board and intended for determining the bending resistance of a wide range of paper grades. The instrument can also be used for determination of the behavior of paper under long term stress, as well as to determine the bending stiffness.

Test Description: one end of the test piece is easily fastened into the clamp. The maximum force required to bend the test piece to a specified angle is presented directly on the digital display . calibration is easy and can be performed with the help of weight platform.

Specifications :

Measuring results:	Bending Resistance in mN at specified angles Bending Stiffness in mNm under specified conditions
Bending angle:	Infinitely variable 5° & 30° and six fixed positions 5°, 7.5°, 15°, 20°, 25° and 30°
Bending length:	5, 10, 15, 20 ,25 & 50 mm
Bending Speed:	5°/s.
Strip Dimensions:	Width 38 mm (1.5”) , Thickness max 3 mm
Measuring range:	0-5000 mN.
Accuracy:	Make: Imported Swema, Sweden $\leq \pm 2\%$ of reading but not better than $\pm 1\%$ of load range.
Power Consumption	50 W.
Power Supply	Single Phase, 220 V, 50 Hz
OPTION	Load Cell range 0-10000 mN
ACCSSORIES	Triple Shear Cutter to prepare the test sample. Standard calibrated dead weights.

Delivery Content :

Consumables :

Service and Startup