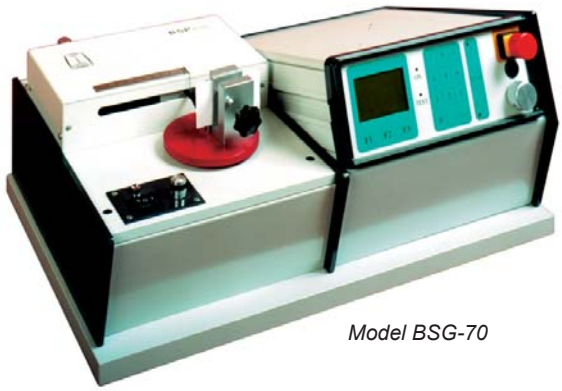
BENDING STIFFNESS TESTER BSG

The bending stiffness tester determines the bending stiffness and bending strength of paper, board, tubing, foils and textiles following the 2-point-bending method. The bending angle and bending distance are free selectable.

Test method

The bending stiffness tester determines stiffness with the beam method. A test strip is placed in the grip which is turned at a constant speed to a specified angle. The bending force is measured at this specific angle and reported in mN.

This testing instrument is controlled by PC-software and the results and graphics are displayed on screen.



Model BSG-70

Features

- Statistics printout with electronic unit
- Windows based software - easy to operate : graph, storage, statistics, sample ID
- Function keys for input of parameters and output of results
- Command keys for load / stop / unload
- RS-232 C/V 24 interface to connect printer or PC
- Adjustable bending length with motor drive

Cardboard, Paper, Plastics, Textile

Physical specifications

Sample holder
The sample holder makes it possible to fix a 50 mm wide specimen when inserting an intermediary part, a 15 mm wide specimen can also be tested.
The bending length is steadily adjustable up to 90 mm by means of an electric device. This value is displayed on a linear measuring scale.

Dimensions
52 x 34 x 25 cm (LxWxH)

Net Weight
22 kg

Standards

ISO 2493, DIN 53121, TAPPI T-556, PS 3748, NFQ 03-048, SCAN P29, APPITA/AS 1301.411

Performance data

Capacity
Loadcell 10000 mN (10 N)

Accuracy
± 1% within 400 - 10000 mN

Angle range
Adjustable from 0 to 90 °

Speed
0 to 6 ° per second (adjustable)

Bending length
0.5 - 90 mm electrically adjustable

Converter
100000 steps (precision 1 mN)

Sample
Specimen size : up to 50 mm width, standard 15 mm and maximum 10 mm thickness

Power requirements
230 V, 50 Hz

Agent

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