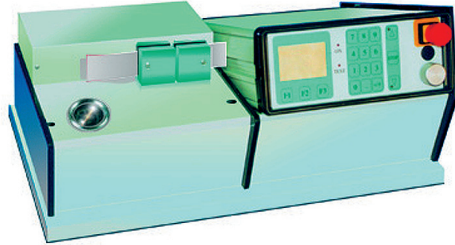


Short Span Compression Tester



Description

The Short Span Compression Tester determines the compression strength in a range of mass between 100 and 400 g/m² in accordance with several fluting medium or test liner standards. The specimen size is 15 x 120 mm.

Operation

The device is set on a steady base plate with a direct current motor, load cell and specimen support, a measuring and electronic control unit. When the strip-shaped specimens are inserted, the pneumatically controlled grips close automatically with a clamping pressure of up to 2500 N. The grips move towards each other, the length of the sample is reduced and the energy required to compress the sample is displayed.

Applications

- Edgewise compression strength – important for determining the stacking strength of the finished box
- Summation of compression strength of individual box components – this correlates significantly with the compression strength of the combined board. Boxes with the required stacking strength can then be produced economically by optimising the appropriate combination of liners and fluting

Features

- Determines the compression strength of fluting medium or liner
- Range 100–400 g/m²
- Speed 3 mm/min
- Samples 15 x 120 mm (W x L)
- Result compression break force in N
- Fully automated procedure from a one-button operation
- Display system with interface capability for PC and printer
- Printout of statistical analysis

Short Span Compression Tester



Physical specifications

Dimensions

52 x 34 x 25 cm (W x D x H)

Net weight

40 kg

Options

Windows®-based software for:

- break force
- compression strength
 - maximum force/width
- compression index
 - compression strength/grammage
- parameter
 - width, RH and temperature
- results
 - load and width conversion
 - statistical analysis

Performance data

Maximum test load

500 N

Force precision

EN 10002/2 class 1 \pm 1%

Speed range

0.1–10 mm/min

Span between clamps

0.7 mm

Power supply

230 V, 50 Hz

Air pressure

6 bar

Standards

ISO 9895, DIN 54518, SCAN P46, TAPPI T-826, BS 7325, APPITA/AS 1301.450rp

