

SCT

Short Span Compression Tester

Code: E.215

Usage

To measure the compression strength on paper or board samples

Applicable standards

- ISO 9895
- TAPPI T826
- SCAN P46
- DIN 54518
- APPITA/AS 1301.450



Device description

The Short Span Compression Tester is used for paper or board stripes with 15 mm width. The jaws clamp the stripe with definite force and then the jaws move from 0.7 mm towards the center until a break is detected. On the touch screen the curve is displayed and the value is shown.

Process description

The sample is put into the open clamps. By pressing the start-button the clamps close and move together with a speed of 3 ± 0.1 mm/min. The curve is displayed and as soon as the break is detected, the value is shown on the touch screen. After several tests the statistic values and the ratio between MD and CD are displayed. Optionally a sample feeder can be delivered, which moves the sample stripe for the next test sequence. The sample feeder moves the sample approx. 3 cm and allows several tests on one stripe.

Results

- SSV (short span value) in kN/m
- Fmax (maximum force) in N
- CI (compression index) in Nm/g

Specifications

- pneumatic clamping of the sample
- test speed adjustable
- ratio calculation between MD and CD samples
- display of results graphically
- speed test and return to initial test position: 3 ± 1 mm/min
- range: 1 - 500 N equal to 0.6 - 33.3 kN/m
- sample width: 15 mm
- span of clamps: 0.7 mm
- clamping pressure: $2\,300 \pm 50$ N (adjustable)

Delivery content

- Short Span Compression Tester
- connection cable
- user manual

Optional

- sample feeder
- calibration standards

Connections

- Electricity: 110 - 230 V, 50/60 Hz C
- Air: 600 kPa

Parameters

	Dimensions	Weight
Net	450 x 520 x 360 mm	22 kg
Gross	600 x 650 x 500 mm	35 kg