SHORT COMPRESSION TESTER (SCT)

SCT-07

Code. 040106

Determination of the compression resistance per length unit in *Line*r or *Flutting* papers

Standards : ISO 9895, TAPPI T826, DIN 54518, SCAN P46, BS 7325.

PTA SPAIN
C/ Gurutzegi N° 16 Pol. Belartza
20018 SAN SEBASTIÁN
(Guipúzcoa) - Spain

PTA FRANCE
14, rue Evariste Galois / ZAC les Ruires
38320 EYBENS - France

PTA ASIA
50 East Coast Road #02-73 Roxy Square
428769 SINGAPORE - Singapore

info@ptagroup.com www.ptagroup.com

CHARACTERISTICS :

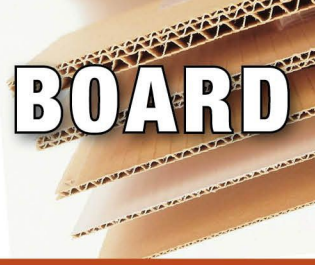
- High rigidity steel and aluminum frame.
- Equipped with a 500 N load cell for measuring values up to 33,33 kN/m.
- Linear movement of the grips.
- Possibility of adjusting the span between grips to 0,7 mm or 0,3 mm (for thin papers).
- Sample width : 15 mm.
- Test and automatic return speed : 3 ± 1 mm/min.
- Short Span Value (SSV) in KN/m.
- SCT curve, SCT value and SCT index.
- Maximum force in Newtons.
- Compression index in Nm/g.
- Adjustable feet for the equipment leveling.
- CE mark.
- Security. Electronic (programming) and physical (limit switches) overload protection.
- RS-232 interface for connection to management and control programs.
- USB connection for maintenance works and for connection with USB printer.
- Force readings with a resolution of 0.004 % of the FS, and extension readings with a resolution of 0.01 mm.
- Accuracy. Error <1% of the applied force in a range between 10% and 100% of the FS.

PTA SPAIN
C/ Gurutzegi N° 16 Pol. Belartza
20018 SAN SEBASTIÁN
(Guipúzcoa) - Spain

PTA FRANCE
14, rue Evariste Galois / ZAC les Ruires
38320 EYBENS - France

PTA ASIA
50 East Coast Road #02-73 Roxy Square
428769 SINGAPORE - Singapore

info@ptagroup.com www.ptagroup.com



USER INTERFACE :

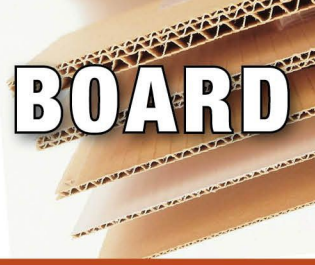
- Machine controlled by means of a touch screen and two auxiliary buttons. Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Possibility of selecting and defining multiple test results. Two result tables with a maximum of 10 result types and 20 test results per table. Possibility of comparing MD and CD values.
- Possibility of displaying the test results in graphic way.
- Statistical control. Mean value, standard deviation and maximum and minimum values.
- Test maneuver with automatic return of the grips to initial position.
- Setting of different breaking and preload levels.
- Periodical programme updatings (without additional costs).

PTA SPAIN
C/ Gurutzegi N° 16 Pol. Belartza
20018 SAN SEBASTIÁN
(Guipúzcoa) - Spain

PTA FRANCE
14, rue Evariste Galois / ZAC les Ruires
38320 EYBENS - France

PTA ASIA
50 East Coast Road #02-73 Roxy Square
428769 SINGAPORE - Singapore

info@ptagroup.com www.ptagroup.com



TEST DESCRIPTION :

The operator places the sample between the clamps (sample must have a minimum length of 120 mm and a width of 15 mm). After pushing the start button, the clamps close and move towards each other at a speed of 3 mm/min until a break is detected. Once the test is finished, the force result and result curve will be displayed in the screen. The value will be expressed in SSV (Short Span Value).
After having carried out a test series in longitudinal fibres orientation sense (MD), another series of tests can be carried out in cross sense (CD).
The incorrect measurements can be eliminated not to have errors in the statistics. The ratio between MD and CD values will be displayed in the statistics after finishing both test series.

SOFTWARE CONTROL (Optional) :

The machine, through its RS-232 connection, allows the total control and management of the test, by means of the PTA NOVILOG Software. It will be possible to preset tests, save test results graphical curves, carry out test reports, etc.

CONNECTIION :

Elelctric : 220/110 V, 50/60 Hz. Air : 600 kPa.

WEIGHT AND DIMENSIONS (ONLY EQUIPMENT) :

360 x 480 x 300 mm (WxLxH) / 25 Kg

WEIGHT AND DIMENSIONS WITH PACKING BOX :

450 x 580 x 380 mm (WxLxH) / 35 Kg

PTA SPAIN
C/ Gurutzegi N° 16 Pol. Belartza
20018 SAN SEBASTIÁN
(Guipúzcoa) - Spain

PTA FRANCE
14, rue Evariste Galois / ZAC les Ruires
38320 EYBENS - France

PTA ASIA
50 East Coast Road #02-73 Roxy Square
428769 SINGAPORE - Singapore

info@ptagroup.com www.ptagroup.com