

For measurement of the short span compression (SCT) on paper- and board stripes according international standards

According to Standards: ISO 9895 - TAPPI T826 - DIN 54518 - SCAN P46 - UNE 57142 - BS 7325



**NEW**

With easy touch screen display

- ❑ Load cell range: 0 - 1000 N
- ❑ Touch Screen Display with resolution: 0,05 N
- ❑ Selectable Units: lbs - lbs./in – Kg - Kg/cm - N o kN/m
- ❑ Distancia libre entre mordazas: 0,7 mm +/- 0,05 mm
- ❑ Testing speed: 3 +/- 0,5 mm/min.
- ❑ Clamping force: 2300 ± 500 N
- ❑ USB Interface output

**OPTION:**

**LYNX Software Systems**

Through a PC and **LYNX** Software + **SCT** Test Module , it is possible to capture quickly and reliable results of the tests. Later it is possible to make statistical calculations



## INFORMACION GENERAL

Equipment designed to perform Short Span Compression Test on Fluting and Liner simple paper within the grammage range 100-400 g/m<sup>2</sup>. in kN/m units. se sitúa una muestra de papel rectangular de una longitud mínima de 120 mm y un ancho fijo de 15 mm entre las mordazas abiertas. Después pulsar el botón de cierre de las mordazas y se realiza el ensayo de compresión a una velocidad de 3 mm/min.

## DESCRIPCION DEL ENSAYO

A single test stripe is put into the clamping system. The instrument starts. The clamps are closed with air-pressure. Before each measurement the internal drift of the machine is set to zero. The clamps move slowly together and the strip breaks. On the display you can at which value the break is detected.

After the test is done the clamps return to their initial start position and the sample can be exchanged for a new one. The maximum strength opposed by the simple is measured in N, then it is converted into CS (Compression Strength) = kN / m (Equiv alen of the maximum strength measured / the length of de sample (15 mm).

After to make a series of measures (between 20 according to standards) in each one of both felt of direction of fibers in the papero:

**MD** = Machina Direction

**CD** = Cross Direction

Incorrect measures can be eliminated to avoid errors in the statistics. The ratio between MD and CD is displayed alter the measurement of both directions.

The maximum force of the test is expressed in the selected Unit, **N – Kg or lbs.** and the internal processor converted into **kN/m, Kg/cm or lbs/in** (Compression Streghth)

Also the equipment makes automatically the calculation of Maximum, Average and Minimum Values, as much in MD (Machine Direction) like in the CD (Cross Direction)

NOTE: If the Compression if required, we recommended to acquire KIT PDA with Software SCT-Test. If require other statistic – GAUSSIAN BELLS - DISPERSION - COMPARATIVE OF REFERENCES we recommended software LYNX Single, or the more complete statistical package including TENDENCY GRAPHICS and SPC (Statistical Process Control), we recommended System LYNX PRO, the versions of LYNX System are modular and increasing

## SPECIFICACIONES

- Load Cell Range between 0 - 1000 N
- Readings in Digital Display with resolution 0,05 N
- Selectable Units: lbs - lbs/in – Kg - Kg/cm - N or kN/m
- Free span : 0,7 +/- 0,05 mm
- Clamp Length: 30 +/- 0,5 mm
- Clamp height: 25 +/- 0,5 mm
- Simple Length: 100 to 150 mm
- Simple Width: 15 +/- 0,1 mm
- Test speed: 3 +/- 0,5 mm/min.
- Clamping Force : 2300 ± 500 N
- USB Interface f/ connection to a PC

### CONNECTIONS:

Power: 220 V, 50/60 Hz

Air connection: 600 kPa (4-6 Bars)

### WEIGHT AND DIMENSIONS:

Box for Transport: 600 x 500 x 400 mm (W x D x H)

Weight Net/Gross: 30 Kg / 50 Kg

### DELIVERY CONTENT:

>SHORT SPAN COMPRESION TESTER "SCT"

