SHORT SPAN COMPRESSION TESTER "SCT" SCM-1 model

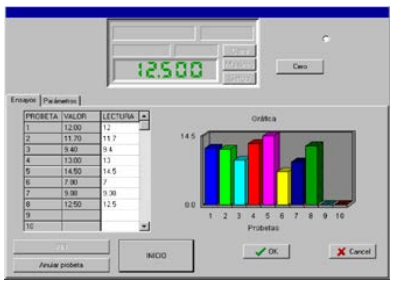
Laboratory instrument for measuring the compressive strength in short SCT samples of paper and paperboard

Applicable standards: ISO 9895 - TAPPI T826 - DIN 54518 - SCAN P46 - UNE 57142 - BS 7325 - AS/NZ 1301.4SO RP…

- **Touch Screen Screen Display**
- **Load cell range: 0 - 300 N**
- **Touch Screen Display with resolution: 0,02 N**
- **Selectable Units: lbs/in or kN/m**
- **Free span: 0,7 mm ± 0,05 mm**
- **Testing speed: 3 ± 1 mm/min.**
- **Clamping force: 2300 ± 500 N**
- **RS-232 Interface output**
- **Compatible with LYNX Integral Test Managements System**

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



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GENERAL INFORMATION

Equipment designed to perform Short Span Compression Test and determining the compression strength on Fluting Medium and Test Liner papers within the grammage range of 100-400 g/m^2. in kN/m units. Put a rectangular sample with a minimum length of 120 mm and fixed width of 15 mm between the clamps. Then push the TEST button and the clamps will close automatically and perform the test at a 3 mm/min testing speed.

TEST DESCRIPTION

A single test strip is located 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 (Equivalent 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 = Machine Direction

CD = Cross Direction

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

The maximum compression force of the SCT test is expressed directly in **kN/m** or **lbs/in**.

Also, the device automatically performs the calculation of mean values if available and optional software also allows for the maximum and minimum values in both the MD (longitudinal direction) and CD (cross direction).

NOTE: 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

SPECIFICACITONS

- ✓ Load Cell Range between 0 - 300 N
- ✓ Readings in Digital Display with resolution 0,02 N
- ✓ Selectable Units: lbs/in 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 ± 1 mm/min.
- ✓ Clamping Force : 2300 ± 500 N
- ✓ USB Interface f/ connection to a PC

CONNECTIONS:

Power: 110 V 60Hz or 220V 50Hz, Single-phase

Air connection: 600 kPa (4-6 Bars)

WEIGHT AND DIMENSIONS:

Dimensions: 375 x 510 x 270 mm (L X P X H)

Box for Transport: 550 x 730 x 620 mm (W x D x H)

Weight Net/Gross: 35 Kg / 60 Kg

DELIVERY CONTENT:

>SHORT SPAN COMPRESION TESTER "SCT"

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