Short Span Compression Tester

YT-SCT500 Short Span Compression Tester is a new type of instrument researched and developed according to the requirements of international standard ISO 9895 and national standard GB/T 2679・10 《paper and cardboard short-distance compression test method》.
It is mainly used for the manufacture of paper and cardboard for cartons and cartons, as well as for paper sheets prepared by the laboratory during pulp testing.

Model

YT-SCT500

Function

Short span compression refers to the maximum compressive force per unit width that paper and cardboard samples begin to break, expressed in kN/m;
Short span compression index refers to short span compression strength divided by the quantitative, expressed in N.m/g. The test principle is: a 15mm wide specimen is compressed between two clamps 0.7mm apart until failure, the maximum short span compression force is measured, and the short span compression strength is calculated. Short span compression is the latest international method for evaluating the strength of base paper. It gradually replaces the ring compression strength RCT. The short span compression force is used to predict the compressive strength of the carton.

Product Features

- Double cylinders, pneumatic clamping of the sample, reliably guarantee the parameters specified by the standard.
- 24-bit precision analog-to-digital converter, ARM processor, fast and accurate sampling
- It can store 5000 sets of batch data, which is convenient for users to check

historical measurement data.

➢ Driven by a stepping motor, the speed is accurate and stable, and it can return quickly to improve the test efficiency.

➢ The vertical and horizontal tests can be carried out in the same batch, and the vertical and horizontal average values can be printed.

➢ Sudden power failure data storage function, data before power failure after power-on is retained and testing can be continued.

➢ The real-time force value-displacement curve is displayed during the test, which is convenient for users to observe the test process.

Key Technical Parameters

✧	Power Supply	AC(100～240)V，(50/60)Hz 50W
✧	Working Environment	Temperature(10~35)℃, Humidity≤ 85%
✧	Display	7 inch color touch screen
✧	Measuring range	（10～500）N
✧	Specimen holding force	（2300 ± 500 ）N
✧	Gauge pressure	0.3-0.45Mpa
✧	Resolution	0.1N
✧	Indication error	±1%(Range 5%～100%)
✧	Indication variability	≤1%
✧	Free spacing of specimen clamps	0.70 ± 0.05 mm
✧	Test speed	（3±1 ）mm/min (Relative moving speed of two fixtures)
✧	Specimen holding surface size	30×15 mm
✧	Communication Interface	RS232(Default) (USB, WIFI optional)
✧	Print	Built-in thermal printer
✧	Gas source	≥0.5MPa
✧	Dimension	530×425×305 mm
✧	Net Weight	34kg around

Optional accessories（Purchase separately）

RS232 interface and computer software	1 set

Punch Standard Distance Cutter 1 set

Standards

✓ GB/T 2679 • 10 ISO 9895 TAPPI T-826