Short Span Compression Tester

Model

YT-SCT500

Function

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.

Product Features

➢ Advanced design ideas, with precision parts, using double cylinders, pneumatic clamping sample, reliable guarantee of the standard parameters.

➢ Adopt 24-bit precision analog-to-digital converter, 32-bit ARM processor, 7-inch color touch screen, Chinese and English bilingual menu, easy to operate.

➢ High speed Flash data storage is added, which can store 5000 batches of data to facilitate users to consult historical measurement data.

➢ Added notes and notes input function when storing data (support input in Chinese and English) to facilitate users to annotate stored batches.

➢ Historical data can be searched by number or date to facilitate users to find data quickly.

➢ Stepper motor drive, accurate and stable speed, and fast return trip, improve test efficiency.

➢ Vertical and horizontal tests can be carried out in the same batch, and the average values can be printed in both directions.

➢ Added the function of saving data of sudden power failure. After starting up, the data before power failure can be retained and tested.

➢ Real-time force-displacement curve is displayed during the test to facilitate users to observe the test process.

➢ special fast GSM selection and setting to facilitate users to set quantitative quickly.

Key Technical Parameters

Measuring range	10-500 N
Sample clamping force	2300 ± 500 N（Air pressure 0.3-0.4Mpa）
Resolution	0.1N
Indication accuracy	Indication error ±0.5% Indication variability ≤0.5%
Free spacing of sample holder	0.70 ± 0.05 mm
Test speed	3 ± 1 mm/min (Relative movement speed of two clamps)
Sample clamping surface size	Length×Width 30mm × 15mm
Number of data stores	Can store 5000 batches of data (shutdown is not lost)20 test data in each vertical and horizontal direction
Display	7-inch, 800*480 pixel color resistive touch screen
Communication Interface	USB2.0 or RS232 Optional WIFI（Follow-up support）
Printer	Thermal printer
Power Supply	AC 100-240V 50/60Hz 50W Reliable grounding
Room Temperature	20℃±10℃
Air source	Air pressure more than 0.4Mpa
Size (L×W× H)	455mm×425mm×280 mm
Weight	37 Kg

Standards

✓ GB/T 2679·10

✓ ISO 9895