

KASON-CT500 Paper And Paperboard Short-distance Compression Tester



(The picture is for reference only)

Introduction:

The Short-Range Compression Tester is a new type of high-precision intelligent testing instrument developed by our company in accordance with the national standard GB/T 2679.10. It is meticulously designed using modern mechanical design concepts and microcomputer processing technology, and is mainly used to determine the short-span compressive strength (SCT test) of paper and paperboard. It is widely used in various testing institutions, universities, and factories, including packaging and carton manufacturing, paper mills, materials research and development, and third-party testing.

Features:

1. Adopting a modern mechatronics design concept, the instrument features a compact structure, aesthetically pleasing appearance, and convenient maintenance.
2. Equipped with a high-precision force sensor, the instrument ensures rapid and accurate force data acquisition, resulting in high measurement precision.

3. Powered by a high-speed ARM processor, the instrument boasts a high degree of automation, rapid data acquisition, fully automatic measurement, and intelligent judgment functions, ensuring safety and reliability. It possesses powerful data processing capabilities, directly providing statistical results for various data points. It also features automatic reset, simple operation, easy adjustment, and stable performance.
4. Controlled via a touchscreen, the instrument displays pressure and deformation, providing real-time information such as compressive strength and deformation. The visual control screen, coupled with intuitive menu operation, supports multi-language switching, displays test results in icon format, and shows the compressive strength curve.
5. Utilizing a modular integrated thermal printer, the instrument offers fast printing speeds and convenient paper changing.
6. Pneumatic automatic sample clamping with adjustable clamping pressure.
7. The open clamp design facilitates easy sample placement, improving testing efficiency.

Standards:

This instrument meets multiple national and international standards, including GB11999, GB/T 455, ISO 1974QB/T 1050, IS P8116, and TAPPI T414.

Specification:

Model	KASON-CT500
Power supply	AC220V±10% 5A 50Hz
Measurement range	1-500N(0.06 ~ 33.3 kN/m)
Indication accuracy	±0.5%
Indication variability	< 0.5%
Resolution	0.01N
Sample width	15±0.1mm
Clamping length	30±0.15mm
Test speed	3±0.1 mm/min
Compression distance	0.3-0.7mm

Sample size	15*70mm
Display interface	7-inch touchscreen LCD screen
Print output	Modular all-in-one thermal printer
Work environment	Room temperature 20±10°C; relative humidity <85%; clean with minimal dust, free from strong magnetic fields and vibration sources.
Execution standards	GB/T 2679.10, QB/T 2386, ISO9895, TAPPI T 826, DIN 54518, BS 7325, etc.

FOCUS IN MATERIAL TEST

KASONTTEST®

JINAN KASON TESTING
EQUIPMENT Co, LTD.

DuandianIndustrial Park , Jingshi Road, Jinan City,China.

P: +86 159 1008 1986

E: admin@jnkason.com | **W:** www.syjlab.com

