

## Digital Display Carton compression tester



Picture Just for reference

### Product Description:

It is a basic instrument for testing the compressive strength of corrugated cartons (i.e. packaging testing equipment), which is suitable for the compressive strength test, standard test and stacking strength test of all kinds of corrugated cartons.

### Product Features:

1. After the completion of the test, automatic return function, automatically judge the crushing force and automatically save the test data
2. Three kinds of adjustable speed, all Chinese liquid crystal display operation interface, a variety of units to choose from.
3. Can input the relevant data and automatically convert the compressive strength, with packaging stacking test function; Can directly set the force, time, after the completion of the test automatically stop.
4. Three working modes:

Strength test: can measure the maximum pressure resistance of the box;

Fixed value test: according to the set pressure to detect the overall performance of the box;

Stacking test: According to the requirements of national standards, stacking test can be conducted under different conditions such as 12 hours, 24 hours.

### Meet the standard:

GB/T 4857.4-92 packaging Transport packaging pressure test method

GB/T 4857.3-92 Packing and transportation packaging - Static load stacking test method

### Technical Parameters:

Model	KASON-KY10	KASON-KY20
Capacity selection	10KN(1Ton)	20KN(2Ton)
Level of accuracy	Class 1	
Mode of control	Microcomputer control (computer operating system optional)	
Mode of display	Electronic LCD display (or computer display)	
Unit of force switch	Kgf,gf ,N,kN,lbf	
Switch of stress units	MPa,kPa,kgf/cm <sup>2</sup> ,lbf/in <sup>2</sup>	
Unit of displacement	mm,cm, in	
Resolution of force	1/100000	
Resolution of display	0.001N	
Travel of machine	1000 mm	
Size of pressing plate	1000*1000mm	
Speed of test	5mm~100mm/min (can input any speed)	
Software Functions	English	
Shut down mode	Overload stop, emergency stop key, specimen damage automatic stop, upper and lower limit setting automatic stop	
Safety device	Overload protection, limit element protection device	
Power of machine	AC variable frequency motor drive controller	
Mechanical system	High precision ball screw	
The power supply	AC220V/50HZ~60HZ 4A	
Weight of machine	About 650KG	
Performance Characteristics	It can set the percentage breaking value and automatically stop the machine. It can enter the menu to select 4 different speeds and 20 times the results. It can check the average value of all test results and single results	

### Hardware performance Characteristics:

- 1.32bit embedded processing chip, fast instruction cycle;
2. Strain measurement accuracy >4 grades, that is, discernability >20000 yards;
3. Using software coefficient file calibration (correction). Effective correction of sensor linearity;
4. 4 times frequency photoelectric encoder positive and negative bidirectional counting, high resolution;
5. Display using 192×64 lattice monochrome LCD screen, can display more information;

6. 1 RS232 serial port, can be connected to other devices;
7. 1 set Parallel printing port, can be connected to micro printer or needle printer;
8. 8 control keys (5 function keys, 3 reuse keys), easy to operate;
9. Display function: After the test, it can automatically display and remember the maximum force in the test process;
10. Save output: up to 20 test results can be recorded.

**Attached as standard:**

1. One-year warranty certificate and English operating manual;
2. 2 rolls of printing paper;
3. One high-precision load sensor;
4. One micro printer (capable of printing test reports).
5. One power cord;

**Safety devices:**

1. Travel protection: set to the start of upper and lower limit protection to prevent exceeding the preset travel;
2. Force protection: The system can set the maximum force value to prevent exceeding the sensor calibration value;
3. Emergency stop device: There is an emergency stop switch on the right side of the base, which can handle sudden situations.

**Working requirements:**

1. Room temperature: 25 °C;
2. Power supply voltage: 220V, the power supply should be reliably grounded;
3. The working environment is clean, without strong vibration sources, and the host support is stable

# FOCUS IN MATERIAL TEST

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