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1. Description:

This tester is applied to test anti-rupture strength for raw paper, corrugated cardboard, leather, cloth and synthetic leather. This tester is fully automatic-type rupture strength tester, Just put into the testing material, the tester automatically detect, automatic testing, automatic hydraulic recoil and automatic computing, storage testing data and printing. It is an important tester for controlling quality of finished product and quality inspection.

Corresponding standard :operative standard ISO-2759, GB-6545, JIS-P8112, L1018, ASTM-D2210, TAPPI-T403

2. Technical Parameters:

Model : PPTM-4006
Capacity choice : 0~100 kg/cm²can be set
resolution : 0.01 kg/cm²
hydraulic speed : 170±20cc/min
hydraulic oil : glycerin 85%,distilled water15%
display : LCD monitor
Unit of force : kg/cm², KPa, or self-set
Specific feature tester with micro-printer
Clamping pressure : 5kg/cm², adjustable
Air-pressure : min 6kg/cm² (customer-owned)
Volume : (W×D×H)50×43×52 cm
Weight : 113kg
Power : AC220V,3A

3.Operation interface

Main interface:The lower left corner show the numbers indicate the current test group, the lower-right corner shows the figure for the total number of tests have been completed



- ◆Press "0" key to clear the current force "and" maximum force".
- ◆Press "1" key to switch power unit“kgf/cm²,kPa,psi,MPa”。

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- ◆ Press "4" key to view the test results. Press "9" key to flip backwards, press "4" key to page forward.
- ◆ Press "5" delete the current test group test results, behind the test group, test group number corresponding to forward one.
- ◆ Press "6" to delete all the test results of the test group.
- ◆ Press "7" print test results.
- ◆ Press "8" printer paper walk one line.
- ◆ Press "9" to toggle the current test group.
- ◆ Press "Cancel" button to enter to the parameter setting interface

View interface:



Maximum value: - 2.90 kPa Variation coefficient: - 53.96% 1. - 4.98 kPa
Minimum value: - 6.00 kPa Test times: 3 2. - 2.90 kPa
Average value: - 4.62 kPa 3. - 6.00 kPa
Bursting index: - 0.09kPa.m²/g

- ◆ Press "4" key to back flip page.
- ◆ Press "9" key to page forward.

Setting interface: The main interface, press "Cancel" button to enter the parameter setting interface



0. 定 量 : 50 g/m²
1. 断点比率 : 10%
2. 测试日期 : 2006.01.01
3. 系统设定

- ◆ Press "0" key to set the "quantitative".
- ◆ Press "1" key to set the value of breakpoint ratio ", set to 50% to 90%.
- ◆ Press "2" key to set the "test date".
- ◆ Press "3" key to enter a password to enter the calibration interface, press "9" key to set the power of force sensor range and number of decimal places.

Calibration interface: to enter the calibration interface will need to input six digits password, the password is correct before they can enter. Three different testing standards to choose from: 1.ISO2578; 2.ISO2579; paper. If you choose a non-paper apply, the system will not calculate the "quantitative" test leather cloth bursting, bursting index and coefficient of variation data.

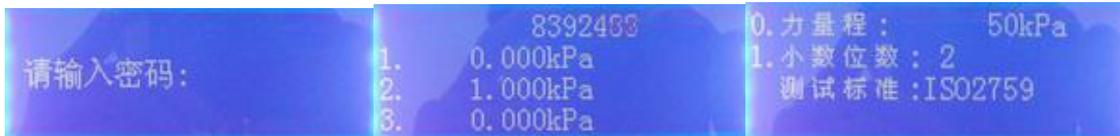
ISO2758: 2001 "paper - bursting the determination of the Paper - Determination of bursting strength." And GB / T 454-2002 "paper bursting strength of the determination of" standard applicable to the determination of bursting strength for the 70 ~ 1400kPa (0.71 ~ 14.3kgf / cm²) single-layer or multi-layer paper.

The ISO2759 Cardboard - bursting of the determination, Paperboard - Determination of bursting strength. "And GB / T 1539-1989" cardboard bursting Determination "standard applicable to the determination of bursting strength of 350 5500kPa (3.6 ~ 56.1kgf / cm²) of

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various types of cardboard (including solid board and corrugated board).



Print a test sample results:



Work process:

Working process: press "test" key to the current immediately after test group to have tested final test group of next group, and clamping cylinder immediately press, start the timer at the same time, about 3 s (automatic type for 3 s, semi-automatic type 0 s) to clear the current test group and the current value of the maximum, and then began to pressure, when detected board fracture immediately after pressure relief, when back to upper limit after a motor stalling stop pressure relief, and at the same time make cylinder return.

4 .Normal working conditions

- ★In the range of 0~55° C ;
- ★The humidity no more than 80%.
- ★Power 220±10%VAC, frequency 50Hz;
- ★Far away from strong electromagnetic interference.

5 .Note

- ◆Must use TTL com micro play
- ◆The default force sensor sensitivity 2mV / V, the use of other sensitivity of the sensor can not guarantee its work properly, need to contact the manufacturer to change the parameters.

6.Common problems and solutions

Problem1、

The paper tears subside pressure, the machine continues to pressure caused by the film bursting, what is the solution?

answer:There are two situations will lead to this phenomenon:

1.The breakpoints proportion is set too small. Solution is to increase the value of the breakpoint proportion, generally can be set to about 90% can be set to 99%.

2.Test paper bursting force is too small, this rupture of the test range of the machine if it is the breakdown of machine used

to test the cardboard, according to the ISO2579 standards, testing cardboard bursting strength range of 350 ~ 5500kPa (3.6 ~ 56.1kgf/ cm ^ 2) if it is applicable to the measurement of the paper rupture machine, according to the ISO2578 standard, test paper bursting strength range of 70 to 1400kPa (0.71 and 14.29kgf/cm ^ 2). Both rupture machinethe film is not the same, cardboard measuring rupture machine to test the thin paper, you must replace the film, otherwise may cause paper breakdown of the machine after rebate pressure film was bursting.

7.Picture for you reference:

