



1502PR Key cap drawing force tester

Technical specification

一、 Machine appearance picture :



二、 Product description:

Gantry tension tester is designed for keyboard key cap drawing, wire tension, electronic tension equipment and development. It is suitable for measuring the mechanical properties and related physical parameters of various materials under tensile and compressive conditions. Advanced PLC touch screen control test process.

三、 Main specifications :

1. Maximum test load: 20KG;
2. X-axis movement stroke: 450mm;
3. Y-axis movement stroke: 200mm;
4. Travel stroke of z-axis: 160mm;
5. Drive mode: X and Y axis manual drive, Z axis stepper motor drive.
6. Guide system: high-precision linear bearing + optical axis guide
7. Control mode: 7-inch color touch screen + microcomputer integrated system
8. Specification of test platform: 480*280mm
9. Width of gantry: 620mm
10. Adjustable speed: 0.01-360mm/min

Dong Guan City HongDa Measure Instrument Co.,Ltd

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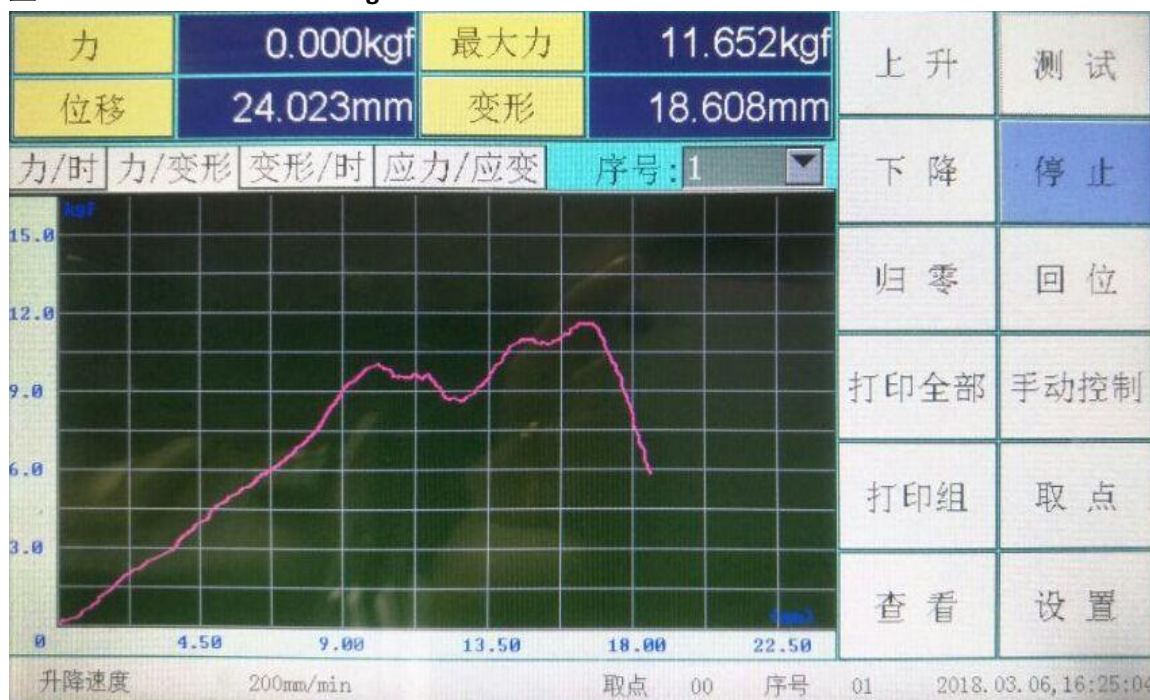


11. Overall dimensions :(L*W*H) 500*750*890mm;
12. electrical: high precision motor
13. Drive: high precision drive
14. Weight: 46KG
15. Power source: AC 220V

四、Main functions and features :

1. chip integration technology, professional design of data acquisition and amplification system, with high integration, stable and reliable, easy to use and other advantages. The control software can realize the force, tension, displacement, deformation and other data results of any specified point in the process.
2. Automatic saving: automatic saving of test data and test conditions to avoid data loss caused by forgetting to save;
3. Batch test: for samples with the same parameters, a batch of tests can be completed in sequence after one set;
4. Display mode: data and curves are displayed dynamically along with the test process;
5. Curve traversal: after the test is completed, the curve can be reanalyzed.
6. Curve selection: stress-strain, force-displacement, force-time, displacement-time and other curves can be selected for display;
7. Test report: the test report can be programmed according to the format required by the user
8. Test data: powerful query function of result data, which can query historical test records at any time through the database;
9. Control mode: fixed load, positioning shift, fixed time and other control modes are optional;
10. Automatic reset: the measurement system automatically adjusts zero after the test starts
11. Arbitrary switching of units: force: (kg, N, lb) displacement: (m, mm, in);
12. Single test, manual 10-point statistics, and automatic calculation of the average value, fracture value (suitable for stripping and tearing test), up to 50 groups can be stored;
13. Safety protection: when the maximum load exceeds 2-10%, safety protection will be realized automatically;

五、Touch screen interface diagram:



六、Combination instrument:

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Number	The name of the	Specifications	Unit	Quantity
1	Key cap drawing force tester	1502PR	TAI	1
2	Touch screen membrane	TM2101-T7	SET	1
3	Two phase stepping motor	SS2304A42A	TAI	1
4	Drive	MD-2806V	TAI	1
5	Sensor	AL-20K	PCS	1
6	Special software	TM2101N	SET	1
7	Instructions		Fen	1

七、Equipment warranty and service:

1. Free service for one year for the whole machine (except consumables);
2. In case of failure, respond within 2 hours and remotely assist;
3. After the expiration of the service period, the maintenance fee will be waived and only the cost of relevant parts will be charged;
4. Free consultation and lifelong maintenance;

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