

HD-7005A Microcomputer Multi-Function Load Testing machine

Product description:

The machine is suitable for testing the mechanical properties of various materials, semi-finished products and finished products, such as interpolation, stretching, compression, bending, stripping, tearing and so on.

This machine USES the servo motor and Windows window control system, the operation is simple and convenient, Windows Chinese Windows software screen set. All data can be stored in test conditions, travel curve, life curve, inspection report, etc.), and is a reliable high-performance testing instrument.

Data Acquisition and Control System

BPS Testing Machines are controlled by TM2101 on computer to displayed real time graph and values

Force Measurement

Calibrated, in class of machine not over than class 1, load meets or exceeds the following standards: with certificate of calibration EN 7500-1 (Optional)



High Quality Loadcell (Optional)



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Main Function and Features:

- Each station is controlled independently, without any influence
- Can preset the number of hits, to the pre-set value stop function
- Products can be tested at the same time for durability and conduction testing
- Pressure adjustable, equipped with a dynamometer, can accurately control the impact strength
- High-speed test, the fastest rate up to 6 times per second, uniform speed, test completion time can be mastering
- Test conditions can be set by computer and stored. Check the Settings from the dropdown menu or enter the data directly. (including type of test, direction of motion measurement, range of load measurement, range of stroke measurement, location of stroke origin, original point detection of stroke, speed measurement, total number of times of measurement, suspension time, position of each waiting, number of times of air pressure);
- Printing and storage of graphs (displacement curve, load attenuation curve, check report)
- Dual protection functions of heavy element overloading protection and software protection
- The test upper and lower limit can be entered, and the machine will stop automatically if it exceeds the specification.
- Weight unit shows N, lbf, gf and KGF can switch freely
- Storage of test data on hard disk (each data can be stored, no limit)
- The contents of the inspection report title can be modified at any time (both in English and Chinese)
- The graph report, the text report can be specified by the customer name and LOGO
- Test report can be transferred to. Microsoft WORD and EXCEL are edited.

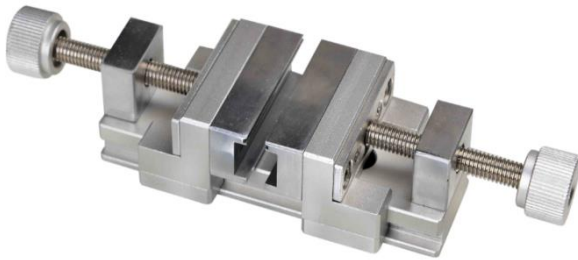
Expand testing of major projects:

- Testing the attenuation curve analysis of connector plug life
- Test of insertion force and displacement of connector products and output force and displacement.
- Test of USB plug life curve analysis
- HD-7005A test equipment clamps can perform many Normal test tasks such as connector whole row plug test, single PIN hold test, connector product insert Force and displacement test, connector output Force and displacement test, connector single hole plug test, connector Normal Force test, compression test and tensile failure test.
- HD-7005A test equipment tension, pressure, bending, tear, stripping test
- HD-7005A test equipment tensile, tensile, compressive, three point/four points static pressure, bending force test
- The HD-7005A test equipment is equipped with the dynamic impedance test system, which can test the dynamic impedance and draw the "load-impedance-travel curve" at the same time when testing the interpolation force.

Universal Testing Machine

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Products fixture (Can be designed for special sample):



Multi-function fixed

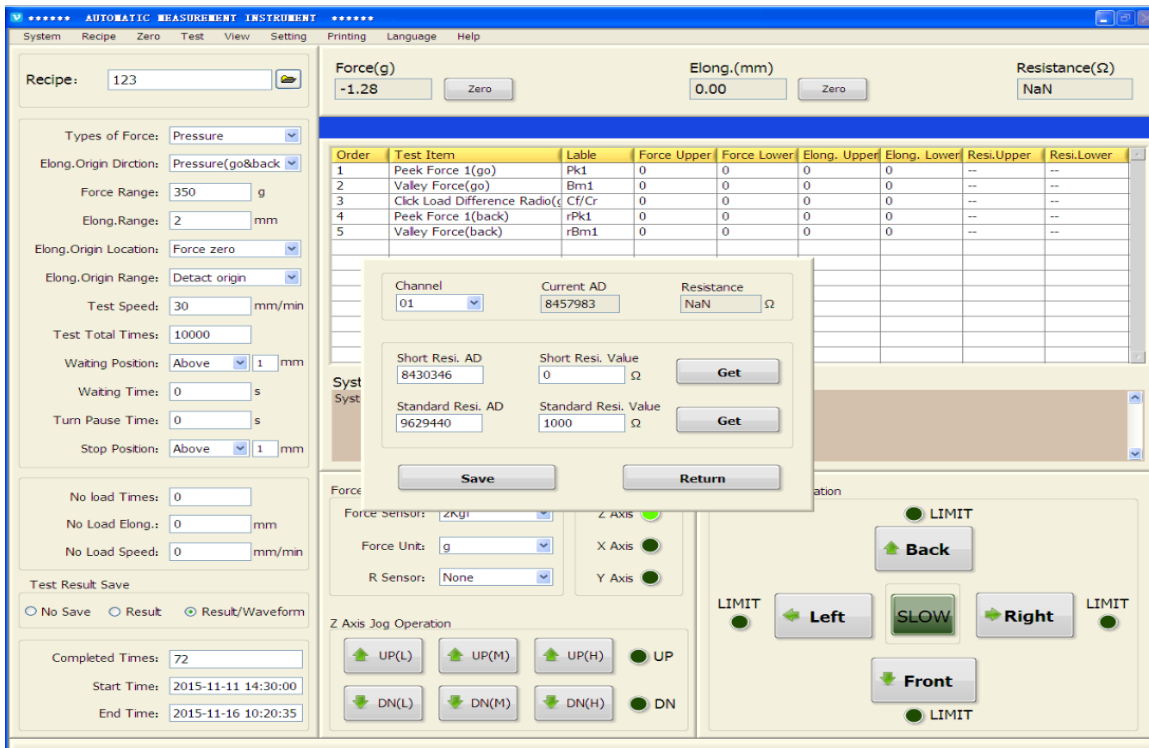


Large X-Y mobile platform



the heart device

Software interface diagram:





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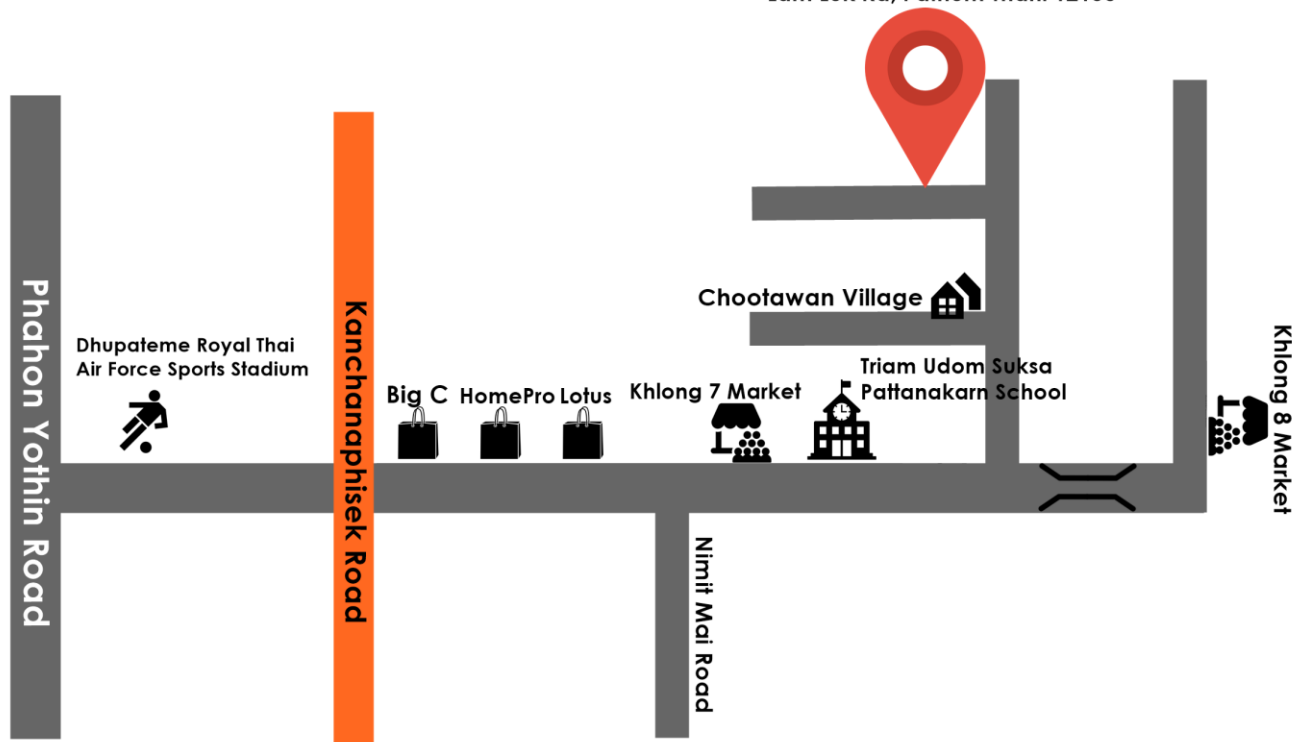
HD-7005A Microcomputer Multi-Function Load Testing machine Parameter

Maximum Testing Force (kgf)	5, 10, 20, 50, 100, 200, 500	Minimum reading value of load (gf)	0.01
Test units can be selected (mm/min)	0-300	Adjustable stroke of fixture X Y	X:70mm Y:70mm
Maximum travel of Z axis	500mm	Movement range of X and Y axis	0-75mm
Transmission mechanism	ball screw	Minimum fine tuning distance	0.01mm
Drive motor	high precision motor	Power	AC 220V



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