

1



Dongguan Hust Tony Instruments Co.,Ltd

东莞华科东尼仪器有限公司

Addr: No. 1 Tech 9 Road, High - New Tech Development Zone, Songshan Lake, Dongguan City 523808, China

Tel: 86-769-23010657

Fax: 86-769-23010667

Email: Addams@tonyhk.hk

Three Axis Key Pressing Load Tester DZ-201



Product Introduction

Three Axis Key Pressing Load Tester DZ-201 is suitable for various pressure tests. This machine is suitable for computer keyboard, mobile phone keyboard, 3G video phone keyboard, car CD key, ATM keyboard and other multi-key products to do key load curve test (multi-point automatic displacement) or to do laptop LCD screen multi-point pressure test.

And calculator, telephone, remote control keys, conductive rubber keys, metal, shrapnel keys, film switch keys, all kinds of tactile key switches, can measure peak value, valley value, life, feel, strength, height, etc.; Suitable for impact analysis, can draw force and time waveform diagram, switch force analysis, positive force, turning point test; Suitable for thickness test, can measure the thickness of soft objects, flatness test, can detect the flatness of machined parts; Suitable for a variety of sample failure test.

Features:

1. Coordinates can be set, machine automatic displacement test, and record data. Windows.
2. The company's self-developed and manufactured automatic key life testing machine XYZ three-axis automatic [load-stroke] curve testing machine is a high-tech product integrating precision machinery, automatic control and precise control pressure technology, and its core is multi-axis motion controller and single-chip microcomputer measurement control board
3. Automatic key life testing machine XYZ three-axis automatic [load-stroke] curve testing machine has the advantages of strong function, simple programming, convenient operation and low price. It is suitable for production lines and quality assurance department testing such as finished mobile phone keyboard, finished computer keyboard, ATM cash machine finished keyboard, TV/air conditioning remote control finished keyboard and other production lines and quality assurance departments.

4.XYZ three-axis automatic [load-stroke] curve testing machine is through the motion controller, motor, movement platform to make the working platform move according to the expected track, the measurement software automatically collect the key [load-displacement], and automatically generate curves, automatically store test data, and automatically determine PASSED or FAIL;

5.X-Y axis motion trajectory and test: in the computer software convenient coordinate point finding function, teaching mode to find X-Y intersection point as motion trajectory or through AUTOCAD to .dxf document format directly import test coordinates, and can store the motion trajectory according to the test mobile phone keyboard specifications for the next call, the storage data group is not limited.

6.The Z axis is controlled by a single-chip microcomputer measurement controller, and the American TRANSCCELL precision load element collects the load of the button;

7.The machine is made of high-rigidity steel, and the surface is ground and hard chrome plated, which is rich in texture.

8.X, Y, Z axis are driven by Japanese Panasonic servo motor, precision ball screw drive, low noise, durable use; This machine contains all the functions of RS-6900, RS-6900 function see "Automatic button, switch [load-stroke] curve testing machine specification" Technical Specifications.

9.It takes about 2min (26 keys, Z axis speed 75mm/min) to test a finished mobile phone keyboard, 30 mobile phones/hour, and a machine can complete 720 mobile phone tests a day;

10.Peak Force, Return Force, Distance, TT, Click Rate and Dynamic Impedance Value FO can all be displayed directly on the graph without manual calculation.

12.Simplified/Traditional/English three operation interfaces can be switched, suitable for global customers, N, Lb, gf, kgf can be switched freely.

13.The test method can be freely set, stored, called, and modified, and the test results can be stored on the hard disk (each transaction can be stored an unlimited number of times), and the data and curves can be directly printed (an A4 paper can be arbitrarily specified to place N curves)

14.Life attenuation curves can be generated, and inspection reports can be converted into Excel and PDF file formats.

Model	DZ-201
Test Load Type	5kgf、 20kgf、 50kgf
Minimum Display Load	1gf、 2gf、 10gf
Z-axis test stroke	150mm
The Z-axis shows the stroke	0.1、 0.001mm
Test Speed Range	1-200mm/min
X-axis movement stroke	300mm/500mm
Y-axis movement stroke	200mm/300mm
Transmission Mechanism	Ball screw
Drive Motor	Servo motor (3-axis)
Instrument Size	910W×850D×1580
Machine Weight	180kg
Power Supply	AC 220V

