



东莞中力仪器科技有限公司

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Add: No.62, Xinhe Management of Area, Wanjiang District, Dongguan, Guangdong, China

Introduction

Name: ZL-2101 small microcomputer controlled spring tester



→Direct Manufacturer.

→ Excellent Quality.

→Technical Innovation.

→ Fast Shipping.

→Superior Service.



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Category:

computer control spring tension and compression testing machine name: **(50 - 5000) N**
small microcomputer controlled spring testing machine

Spring testing machine is also called [spring tension and compression testing machine], [spring] [tensile test machine, spring pressure testing machine], [] [the tension of the spring machine, spring press], [] spring tension tester, pressure tester etc. [spring]

According to the spring and a pressure spring of different sizes, we put the spring testing machine is divided into manual spring testing machine and electric spring testing machine (including automatic spring tester and microcomputer controlled spring testing machine);

According to different detection of spring each manufacturer requirements, we also divided into liquid crystal digital display type spring testing machine and computer control type spring testing machine;

We have been committed to R & D and manufacturing of spring testing equipment, and according to the different requirements of customers and the development suited to their use of unconventional spring detection device, as long as the detection and spring related please give us to do, look forward to your call letters!

Product introduction:

TLW- computer controlled spring testing machine used spring, pressure spring, disk spring, spring, spring, spring tower card, spring, spring, spring, mold compound gas spring, shaped spring, such as precision spring tension, pressure, displacement, stiffness, strength test and analysis. Design of host and assistive device testing machine from Japan SHIMADZU advanced technology, beautiful appearance, convenient operation, stable and reliable performance. The controller of the computer system, the control of servo motor rotation speed control system, the deceleration system slowdown after precision screw driven by pressure plate rise, fall, completes the compression mechanical properties test specimen.

This machine adopts full digital servo control system of high speed regulation precision, stable performance and servo motor as the driving system, the controller as the core of control system, with Windows as the operating interface of the control and data processing software, the realization of the test force, peak force, displacement, test beam deformation test and test curve of the screen display, all the test operation the mouse can automatically on the computer. Humanization design. Good test is more convenient. The technology, the machine can be almost perfect

The implementation of closed-loop test force, displacement and other parameters of the control, can realize the constant stress, constant displacement control mode, and can smooth switching between various control mode.

Product composition system:

2.1 host: the use of single arm type frame structure.

The 2.2 transmission system: composed of reducer, precision screw and a guide part etc..



2.3: by the servo drive system to realize the system extremely motor driven governor.

2.4 measurement control system: test force measurement and control system is composed of high precision load sensor, measuring amplifier, A/D conversion, voltage stabilized power supply; displacement measurement control system composed of a photoelectric encoder, frequency shaping circuit, a counting circuit etc.. Through a variety of signal processing, the realization of computer display, control and data processing and other functions.

2.5 safety protection device: style fault shutdown, overload protection, over current protection, beam position limit, over voltage, over speed protection etc..

The main technical indicators

- 1, style: single arm type
- 2, the maximum test force: 50N, 100N, 200N, 500N, 1000N, 2000N, 5000N
- 3, range: 2%-100%;
- 4, accuracy of testing force; + 1%
- 5, the displacement resolution: 0.01mm;
- 6, the displacement measurement accuracy: + 1%;
- 7, stretching stroke: 600mm (increases)
- 8, the compression stroke: 600mm (increases)
- 9, test trip: 600mm (increases)
- 10, the displacement speed control range: 1mm/min ~ 300mm/min
- 11, the displacement velocity control accuracy: + 1%;
- 12: Level 1, testing machine
- 13, deformation shown value error: less than $(50+0.15L)$ um
- 14, size of the machine: 760*400*1700 mm
- 15, appearance: should meet the requirements of GB/T2611
- 16, complete: meet the standard requirements
- 17, the protection function: test machine has the function of overload protection
- 18, power supply: 220V, 50Hz
- 19, weight: 180KG

The basic configuration, system

- 1 sets of 1, test machine
- 1 sets of 1.1 servo motor
- 1 sets of 1.2 servo control system
- 1.3 high precision load sensor 1



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1.4 1 sets of precision screw

1.5 1 sets of deceleration system

1 sets of 2, a full digital control system

3, the Lenovo brand computer 1

4, HP color ink jet printer 1

5, based on the Windows operating system of the computer control software 1 set

6, random tool (provided the special tool installation, maintenance and operation of the 1 sets of required)

7, tensile attached with 1 sets of

8, the compression of 1 sets

10, technical data:

Includes instructions for use

Software manuals

Certificate, packing list