DXLL SERIAL ELECTRONIC STRESSER

（COMPUTER-TYPE MATERIAL TESTER）

1、Usage:

For use in the experiment of relationship between force and deformation in materials. It can be used for many kinds of mechanics experiments and analyses of elongation, flexure, stripping, compression, pitting, adhesion and tearing in metallic or non-metallic raw materials and processed pieces.

Ⅱ、Principal characteristics:

1、Measuring system

---Wholly automatic force measuring system, with no grading, automatically guaranteeing precision and easily measuring to a precision display of +/-0.2% and with the maximum force displaying the finest resolving power.

---Complete set of American brand force transducer (with automatic distinguisher)

---Automatic standard force and standard length correction system, may be calibrated by a simpleton measuring device of any measuring department(by adding a standard force and inputting the password, the same with the correction of length).

---Wholly automatic length measuring system

2、Mechanical structure

---Adopting the gantry structure, weighted, no-interval high precisionary anti-friction bearing double filament shaft to ensure the steel character of the whole machine and load efficiency, with considerable large space for testing to be used in all kinds of experiments to ensure the testing function of the heavy load of the whole machine and easy operation.

---Imported ball bearing (Japanese) and synchronous band, and a large number of stainless steel components (stainless steel case)

---Laser calibrated processing low friction (lower than those from any other factories) testing prolongation system

---The numbering machine of patent structure does not need to be dismantled when increasing the height of the cryo-box (the limit is the German position transducer)

---Patent hand transduction pneumatic clamps

3、Driving device

---The motor is the English-made motor of direct current servo great torque (proof to overload)

4、Data system

---Chinese Windows98, WIN2000 electric-software can be ugraded free of charge with colored ink-sprayed printing of all curves (most advanced software output colored curves report)

---In the course of experiment the real time kinesis shows the experimental data of load, deformation, displacement speed, maximum strong force, fracture intensity, fracture elongation rate, prolate intensity(with many automobile plastic functions) and different kinds of stress and strain experimental curves. The results of experiment automatically store in disks, readable, analyze, enlarge, calculate, determine and make statistics.

Ⅲ、Technical indexes

---Load:0.01—50000N; 0.01---50000N; 0.1---3000N;0.1---1000N

---Precision of lada: +/-0.5%(＞2N, according to placement)

---Measuring amount of length: 0-1200mm(0.01/0.02)

---Measuring precision of length : +/-0.5mm(150mm international standard sample stick)

---Precision of speed : +/-0.5FS (automatically suitable for all kinds of non-metallic standards in the whole range)

---Determination of speed: Computer automatic

---Protection of force value: Computer arbitrary setting.

Ⅳ、Accessory clamps, pneumatic wire clamps, classical Sheet clamps, strong sickle-shaped clamps, specially designed testing clamps for screen wall glass, compression and Flexure clamps, high and low temperature boxes (the above Are for the choice of customers).

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