

## **HZ-1009 TENSILE STRENGTH AND ELONGATION TESTER**

### **(HZ-1009 VERSATILE MATERIAL TESTER)**

#### **INTRODUCTION**



HZ-1009 TENSILE STRENGTH AND ELONGATION TESTER with computer and professional software can be used for testing tensile strength, peeling separation, tearing abrasion of materials and products of textile, rubber, plastic, synthetic leather, friction tape, electronic and metal, the measuring unit can be converted into KG/N/IB. The structure principle is that the machine is designed with electromechanical integration, the machine is made up of load cell, transducer and transmission, microprocessor, load driving mechanism, computer and colorful jet printer. The high precision electron control speed electric motor can be set 5 testing speeds. The integrated component can be connected with each other in the mode of pluggable unit connection. Console design, the modern industry design can be considered adequately for the formative technology and coating, including the human engineering.

#### **BRIEF INTRODUCTION OF SOFTWARE FUNCTION**

1. Load – Displacement Curve, Load – Time Curve, Displacement – Time Curve, Stress – Strain Curve;
2. According to the test piece requirement of different countries, editing the corresponding testing standard, filling in the data of test piece, editing the testing method, and for testing selection in the future;
3. Automatically reserve the current testing results, and the testing results can be edited for printing as report. There is a formula function for edit, which can compare the curves that have been tested before.
4. It is available to set the decimal, unit of physical quantity and password protection.

**TECHNICAL PARAMETERS**

1. Type: HZ-1009
2. Capacity selection: 10kg ~ 5000kg
3. Load cell: selection by self within 5 tons
4. Capacity segmentation: Auto Range, Degree of accuracy: 1/200000.
5. Power system: AC motor and reducer
6. Control system: Constant speed 50, 100, 200, 250, 300mm/min, stepless variable speed 50~300mm/min.
7. Testing space: Testing width is approximate 400mm, the travel space of cross beam is approximate 1000mm.
8. Full travel displacement: Code translator 1000 P/R, Degree of accuracy: 0.005mm.
9. Safety mechanism: The upper and down travel caging device, automatic stop function for breaking point.
10. Display modes: Windows XP testing software (English edition) + Screen display of computer.
11. Power supply: AC 220V 50Hz
12. Dimensions: Main machine (Length x Width x Height): 75cm x 70cm x 220cm.
13. Weight: Approximate 500kg

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