

**Product Name :**  
Stress Rupture and Creep Testing Machine Test Metal

**Product Code :**  
CHINAELABC3050004



**Description :**

Stress Rupture and Creep Testing Machine Test Metal

**Technical Specification :**

This Series creep testing machine applies advanced servo motor and ball screw actuator which assure loading conveniently and simply. The drive system comprises a printed circuit motor with toothed belt and gearbox to the recirculating ball screw actuator.

Motorized draw-head assembly automatically compensates for specimen elongation and keeps loading bar with excellent load accuracy of  $\pm 0.5\%$  guaranteed.

Both room temperature and elevated temperature systems are available

Furnace and chambers available with temperature ranges from 200C to 1100C in common air environments

Numerous high temperature pull rods, specimen holders, furnace systems and extensometers available for creep and stress Relaxation applications. Many of which are also adaptable to hot tensile testing applications on universal testing machines.

Control system owns the three closed control function as load control, extension control, and velocity control.

High precise control and accurate load with load measurement resolution reach 1/300000; the loading testing curve can be plotted automatically.

Additionally, manual operation also be offered, users can unload to protect the apparatus by hand, especial the load cell, when suddenly power cut off.

Software owns powerful function offering specimens registration, apparatus control, test data acquisition and store, test result inquiring, data processing and test report export

Remote communication control function saves your operators invigilation during testing process; alarm message can be transmitted to your mobile phone to inform you test situation by equipping with special dial number device.

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Force range (kN): 0.2-50  
Calibration accuracy: class 0.5/1  
Force accuracy: 0.5%/ 1%  
Force fluctuation: 0.5%/ 1%  
Force resolution (minimum weight set): 1N  
Axis alignment: 10%  
Extension measurement range(mm): 0-10mm  
Extension accuracy: 0.5%  
Force rage (N/s): 3000  
Lower pull rod travel (mm): 200  
Lower pull rod speed (mm/min): 0.05-100  
Leveling motor power: 1000W  
Furnace type: Three-zone, open  
Temperature range: 200~1100C  
Uniform temperature zone: >150mm  
Inside dimension: 110350mm  
Outside dimension: 310450mm  
Heating power: 3kW  
Temperature fluctuation 300~600C: 2C  
600~900C: 3C  
900~1100C: 4C  
Creep Measurement  
Max temperature: 1000C  
Measurement range: 0-10mm  
Accuracy: 0.5%  
Resolution: 0.001mm



**Engineering Lab China**