

Product Name :
Hydraulic Loading High Temperature Creep Testing Machine

Product Code :
CHINAELABC3050002



Description :

Hydraulic Loading High Temperature Creep Testing Machine

Technical Specification :

The lever arm type machine has been specifically designed for long-time Creep and Stress Rupture test applications that involve maintaining constant loads for extended periods of time.

Through the mechanical advantage of the lever arm loading system, constant loads may be maintained with a high degree of accuracy for long durations, using dead weights, without the continuous operation and dependency of a mechanically powered drive.

The lever arm Creep and Stress Rupture machines are an economical alternative to traditional electro-mechanical or hydraulically loading universal testing machines which have higher initial purchase prices and greater long term operating costs.

This model may be configured for either room temperature or elevated temperature operation.

A variety of temperature rated test fixtures and extension measurement device for the measurement of elongation on creep test applications are also available.

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.

Calibration accuracy: class 0.5/1

Force accuracy Force: 2%-5%FS: 1% of reading
Force>5%FS: 0.5% of reading
Force fluctuation: Force: 2%-5%FS: 1% of reading
Force>5%FS: 0.5% of reading
Force resolution (minimum weight set): 1N
Lever arm ratio: 1:50
Lever automatic leveling range: 0.12mm
Lower pull rod travel: 200mm
Lower pull rod speed: Slow speed (automatic leveling) 2.5mm/min
Fast speed: 50 mm/min
Leveling motor power: 550W
Dimension: 11006602140(mm)
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



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