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Product Name :
Creep and Stress Rupture Testing Machine Under High Temperature

Product Code :
ENGLABINGCAG11000005



Description :

Creep and Stress Rupture Testing Machine Under High Temperature

Technical Specification :

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.

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 +/- 0.5% guaranteed.

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.

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.

Force range (kN): 2-100

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: 0.111111111

Lever automatic leveling range: 0.1mm

Lower pull rod travel: 200mm

Lower pull rod speed: Slow speed (automatic leveling) 2.5mm/min

Fast speed: 50 mm/min

Leveling motor power: 1.1kW

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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