



HENGZHUN

东莞力显仪器科技有限公司

DONG GUAN LIXIAN INSTRUMENT SCIENTIFIC CO.,LTD

Product Introduction

Name:HZ-1009G 60T Computer servo universal compression testing machine



Alibaba Top 10 Global E-Business in Testing Machine



BV/ISO

Equipment summary:

60T Computer servo universal compression testing machine is a new material testing machine that combined with the electronic technology and mechanical transmission.it has accurate load speed, range of force measurement, Has high accuracy and sensitivity for the load, displacement measurement and control, it also can be tested the constant-velocity loading, constant- velocity displacement. This machine is simple to operate, especially suitable for controlling quality in production line, This series of machine is mainly applied to test the non-metallic and metallic materials which the load is less than 60ton .

Main function:

Tel: +86 769-23388229

Fax:+86 769-23388227

Website: www.dglixian.com

E-mail: sales1@hengzhunx.com, sales2@hengzhunx.com

Add:Xinhe Management of area, Wanjiang District, Dongguan city, Guangdong province, China



60T Computer servo universal compression testing machine mainly applied to test the metallic and non-metallic materials in tension, compression, bending, shear, peel, tear or two-points extensions and others., such as rubber, plastic, wire and cable, optical fiber and cable, safe belt, leather belt composite materials, plastic profiles, waterproof membrane, steel, copper, profiles, spring steel, bearing steel, stainless steel (as well as other high-hardness steel), castings, plate, strip, non-ferrous metal wire .

Main feature:

60T Computer servo universal compression testing machine adopted photoelectric encoder to measure the displacement, the controller uses the embedded single-chip microcomputer structure with multi-function software, which combined with measurement, control, calculation and storage. It can automatic calculate the stress, rate of elongation (need to add with extensometers), tensile strength, elastic modulus, automated statistical results; automatically recorded the biggest point, breaking point, the designated point value or the rate of elongation; Using computer to display the dynamic curves in the testing process and process the data, After testing, it can re-analysis and editing the data by amplifying the curves through the graphics processing module, printing reports, product performance reached the international advanced level.

Corresponding standard :

GB/T16491-1996 electronic universal testing machine.

Applicable industry:

60T Computer servo universal compression testing machine is widely used in controlling the quality; Rubber & Plastics; metallurgical iron and steel; manufacturing machinery; electronic equipment; automobile production; textile fiber; wire and cable; packaging materials and foodstuffs; instrumentation; medical equipment; civilian nuclear energy; civil aviation; colleges and universities; research Laboratory; inspection arbitration, technical supervision departments; building materials, ceramic; Petroleum & Chemical; other industries.

Technical parameter:

Model	HZ-1009G 60T Computer servo universal compression testing machine
Maximum load	1T,10T,20T,30T,40T,60T
Accurate	1 grade /0.5 grade
Effective measuring range	Force from 0.2% to 100% (1 grade) / from 0.4% to 100% (0.5 grade)
Measuring accuracy	the value $\pm 1\%$ / the value $\pm 0.5\%$
Tester resolution	Max load 1/200000, constant the resolution
Load sensor	Basic configuration sensor max load: one
Effective testing width	400mm (can be widened according to customers requirement)
Effective tensile stroke	1000,1200,1400mm (can be increased the height according to

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	customers requirement)
Testing speed	From 0.001 to 200mm/min
Accuracy of displacement measurement	Tolerance: $\pm 0.5\%$ /tolerance: $\pm 0.2\%$
Deformation of measured system according to the requirements	Min span:10mm, Max range of deformation 800mm Extended deformation span : 25mm, 50mm, 100mm, range of deformation 5mm, 10mm, 25mm
Accuracy of measured deformation	Tolerance: $\pm 0.5\%$ (according to requirement of customer to choose the larger or small deformation)
safety	Electronic-limit protection
Testing platform moving device	Fast /slow(two speeds to control) ,can jog
Return Back	Manual or automatic operation, After the test, the moving iron return to initial position with the highest speed by manual or automatic operation
Overload protection	Overload 10%, automatic protection
fixture	A set of tensile clamp
Machine size	107*56*210cm(L*W*H)
Motor	Panasonic AC servo motor and drive
Power supply	220V,50HZ or according to the customers' requirement
power	0.75KW (depending on different demand of force, using different motor)
weight	320Kg
Unit	Kg ,N,LB, TON can be exchanged.

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C Shape Fixture

Large C-clamp

Large C-clamp



Plate Fixture

3 point bending device

Packaged with special fixtures



Rubber Tensile Fixture

Jaw tension clamp

Universal tensile fixture

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Locking Pincer clamp



90 Degree Peel fixture



Eccentric clamp



Extensometer



Metal Extensometer



Dumbbell Cutter



Seat belts fixture (braid)



Fixture(E shape)



Tensile fixture (20T,30T)

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Servo motor+Driver

Sensor O type

Sensor S type

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