



HENGZHUN

东莞力显仪器科技有限公司

DONG GUAN LIXIAN INSTRUMENT SCIENTIFIC CO.,LTD

Product introduction

Name: HZ-1004A Desktop computer type servo tensile testing machine



Alibaba Top 10 Global E-Business in Testing Machine



BV/ISO

Main functions:

This machine is applied to test all material in tension, compression, bending, shear, peel (90 degrees and 180 degrees), tear or two extended (need to add extensometer) and others, the material such as rubber, plastics, synthetic leather, tape, adhesive, plastic film, composite materials, electronics, metals and other materials, it can judge the product quality from the test.

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Main feature:

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:

It is widely used in wire and cable, hardware, electronic and electrical equipment, packaging, printing, medical equipment, auto parts, textiles and leather, clothing, shoes, rubber and plastic products, colleges and universities; research laboratories; inspection arbitration, technical supervision departments and many other industries, it is the basic equipment for quality management and physical tested

Technical parameter:

Model	HZ-1004A
Max load	500N, 1KN, 2KN
Accurate grade	1 grade /0.5 grade
Effective measuring range	0.2%~100%(1grade) /0.4%~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 Extended configuration: can add more sensors
Effective tensile stroke	800mm;1000mm;1200mm (can be increased the height according to customer's requirement)
Effective testing width	300mm(can be widened according to customer's requirement)
Range of testing speed	0.001~500mm/min
Accuracy of displacement measurement	Tolerance: $\pm 0.5\%$ / tolerance: $\pm 0.2\%$
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

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fixture	A set of tensile fixture
Machine size	65x36x210cm(length*width*height) (including the height of operative table)
Power system	Panasonic AC Servo Motor + Driver
Power supply	220V, 50HZ
Power	0.4KW (depending on different demand of force, using different motor)
Machine weight	(about) 160 KG
Units	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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