

SR-LT-8001 UNIVERSAL STRENGTH TESTING MACHINE



APPLICATION INDUSTRY

It 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.

FUNCTION

This test machine is applied to test the flexible material with large deformation. such as rubber, plastics, leather and others to complete the test of tensile, tear, adhesive strength, peel and other tests, it is equipped with large deformative extensometer which has the specialized terminology used in measurement of specimen, suitable for testing large deformation of materials

EQUIPMENT SUMMARY

It 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 2 ton.

FEATURES

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.

TECHNICAL PARAMETER

Model	SR-LT-8001
Max load	5KN, 10KN, 20KN
Accurate grade	1 % /0.5 %
Effective measuring range	0.2%~100% (1grade) /0.4%~100% (0.5 grade)
Measuring accuracy	Display the value $\pm 1\%$ /Display the value $\pm 0.5\%$
Tester resolution	Max load 1/200000, regardless of inside and outside, constant the resolution
Load sensor	Basic configuration: sensor (max load) : one Extended configuration: can add more sensors
Effective testing width	390mm(can be widened according to customer's requirement)
Range of testing speed	0.001~200mm/min ; 500mm/min (1000mm/min is option)
Accuracy of displacement measurement	Tolerance: $\pm 0.5\%$ / tolerance: $\pm 0.2\%$
Power system	AC Servo Motor + Driver + high-precision ball screw
Voltage	220V 50Hz
Units	Kg, N, LB, TON, can be exchanged.