

LD- E300B computer controlled electro-hydraulic servo universal testing machine

LD- E300B The computer screen hydraulic universal testing machine is mainly used for tensile, compression, bending, shearing and other tests of metal materials, adding simple accessories and devices, and can also test wood, cement, concrete, rubber and its products.

The main engine adopts the structure of the upper cylinder, the tensile space is located below the main engine, and the compression and bending test space is located between the oil cylinder seat and

the lower jaw seat above the main engine, and the tensile test space is adjusted by the movement of the lower jaw seat.

The force measuring mechanism adopts sensors to measure force, and uses the microcomputer screen display system independently developed by the company, which can display the test force, peak value, deformation and various test curves, and can print various test reports (requires special customization), and users can also edit it by themselves Format of the test report.



Product features :

1. The testing machine adopts manual control hydraulic valve, drives precision hydraulic cylinder, and performs manual control in various modes of test force, displacement and deformation, and completes the tensile, compression, bending and bending tests of the sample, which conforms to the national standard GB/ Basic requirements of T228-2002 "Room temperature tensile test method for metallic materials".
2. Adopt brand microcomputer to complete the setting, data acquisition, processing, analysis, storage and display of test parameters during the test process (test data include: upper and lower yield point, tensile strength, breaking strength, elastic modulus, elongation at each point, $\delta 0.2$, etc.), precise and accurate control and measurement.
3. Equipped with special software for Windows universal testing machine, measure the performance parameters of each material according to national standards or standards provided by users, and perform statistics and processing of test data, and then output and print various required test curves

and test reports, with test curves Zoom in, compare, traverse functions, smart and convenient.

4. Self-built powerful test database, test data can be saved, queried and called at any time.

5. Adopt high-precision amplifier to realize 4-level measurement of test force, automatic switching, accurate, stable and reliable.

6. Powerful self-checking function and perfect protection function.

Main Technical Parameter :

Maximum test force	300kN
Testing Machine Accuracy	Class 1
Test force indication accuracy	$\leq \pm 1\%$
Test force	measurement range Maximum test force 2% ~ 100%
Clamping method	Hydraulic clamping (or manual clamping)
Clamping diameter range of round sample	$\Phi 4 \sim \Phi 32$
Flat specimen clamping thickness range	0-15mm
Flat specimen clamping width	70mm
Maximum tensile test space	620mm
Maximum compression test space	580mm
The outer dimension of the largest control cabinet	1200×620×850mm
Dimensions of the host	730×590×2000mm
Motor power	2.1KW
Host mass	1500Kg
Column clear spacing	460mm
Upper and lower platen size	$\Phi 150$
Bending rod spacing	300mm
Bending stick width	140mm
Allowable bending	100mm
Maximum piston stroke	200mm
The maximum moving speed of the piston	about 80mm/min
Test space adjustment speed	about 150mm/min