

LD-1000D Hydraulic universal testing machine

LD-1000D Hydraulic universal testing machine can be used for a variety of metal materials to test their tensile, compression, bending and shear. It can also be used as plastic, concrete, cement and other non-metallic materials' compression test. If it is added to some simple accessories, it can complete a variety of performance tests of the tape chain, wire rope, welding electrodes, tiles and components. The machine adopts the under cylinder, low height, light weight, which is especially suit for the construction sectors.



1. The testing machine uses manual control hydraulic valves, drives precision hydraulic cylinders, and performs manual control of various modes of test force, displacement, and deformation, and completes the tensile, compression, and flexural and flexural tests of the specimen. 2. The brand computer is used to complete the setting of test parameters, data collection, processing, analysis, storage and display during the test (test data includes: upper and lower yield points, tensile strength, breaking strength, elastic modulus, elongation of each point, δ_0 etc.), precise and accurate control and measurement. 3. Equipped with special software for Windows universal testing machine, it measures the performance parameters of each material according to national standards or standards provided by users, and performs statistics and processing on the test data, and then outputs and prints various required test curves and test reports, with test curves The functions of zooming in, comparing and traversing are smart and convenient. 4. Self-built powerful test database, test data can be saved, inquired, and recalled at any time. 5. The high-precision amplifier is used to achieve 4 levels of test force measurement, automatic switching, accurate, stable and reliable.

Maximum test force	1000 kN
Testing machine accuracy	1degree
Accuracy of test force indication	$\leq \pm 1\%$
Range of test force	Maximum test force 2%~100%
Maximum tensile test space	640mm
Maximum compression test space	600mm

Hydraulic universal testing machine

Holding range of round sample	Φ13~60mm
Holding range of flat specimen	0~55mm
Holding width	80mm
Top and bottom pressure plate size	Φ200mm
Maximum distance between supporting rolls of bent support	400mm
Column spacing	580mm
piston stroke	200mm
Maximum piston speed	80mm/min
Maximum moving speed of beam	150mm/min
Oil pump motor power	2.5KW
Power of crossbeam moving motor	0.75kw
Machine size	910×740×2200mm
Machine weight	2000Kg