

WDW/WDS SERIES (100N-5kN)

Single Column Universal Testing Machine

Application

It is applicable for wide range of material for tension, compression, bending, shearing and low cycle test. Suitable for metal, rubber, plastic, spring, textile, and components testing. It is widely used in the corresponding industries, research and development, test institutes and training centers etc.

Feature

- Adopt single column structure, lower for tensile, upper for compression, double space.
- Adopting ball screw drive, realize no clearance transmission, make sure the precision control of the test force and deformation speed.
- The shield plate with limit mechanism used to control the beam moving range, in order to avoid sensor damaged due to the moving distance is too large.
- Three columns of mandatory orientation, make the main unit rigidity much improved, to further ensure the repeatability of measurement.

Specifications

Model	WDW/WDS-1,2,3,5	WDW/WDS-1,2,3,5
Max. Load(kN)	1,2,3,5	1,2,3,5
Control method	Computer control	Digital Display
Load accuracy	Class 1, Class 0.5	Class 1
Load range	2%~100%F·S, 0.2%~100%F·S	2%~100%F·S
Resolution of displacement	0.01mm	
Test speed(mm/min)	0.05-500	0.05-500
Tensile space(mm)	600 (can be customized)	
Compression space(mm)	600 (can be customized)	
Working environment	Room temperature 10℃~30℃, relative humidity≤80%	
Power supply	AC220V±10%, 50Hz/60Hz (can be customized)	
Grips	Wedge type, plate type and other grips as consumer's demand	
Dimension(mm)	425*400*1315mm	

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- Defined function: according to different types of users, different material properties, different test standards, different languages, flexible setting the test program to meet the test requirements.
- Test standard: Integrated with about 40 kinds of national standard or test method, can meet the various test need of customers.
- Curve choice: can choose Stress - strain, force - displacement, force - time, displacement - time, and other curves to display and print; Can switch at any time to observe, zoom in and zoom out, horizontal or vertical movement, real-time high speed sampling.

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Automatic display: During the whole testing process, the LCD real-time display the testing force peak value, displacement, testing speed and testing force-time curve, testing force-displacement curve.