

50kN Tensile Strength Testing Machine

WDW-50 / WDW-100 Computerized Electromechanical Universal Testing Machine
(50kN, 100kN, floor-standing type, 0.5 class accuracy)



1. Introduction:

This Computerized Electromechanical Universal Testing Machine adopts double columns and floor-standing type structure, it is used to do tensile, compression and bending test of metal and non-metal materials. It is an ideal testing machine for enterprises' quality control department, teaching in university and colleges or scientific research institution, etc.

Test material and industry:

Rubber, Plastic, Cord, Composite Materials, Cable, Wire, Aluminum, Copper, Textiles, Food, Packaging, Nonwoven and Metal etc.

Testing standard:

ISO7500-1, ASTM E4, ASTM A730, ASTM D638, ASTM D790, ASTM E4, ISO6892, ISO7438, EN 10002-4, ASTM D1002 and so on.

2. Main Technical Parameters

Parameter \ Model	WDW-50	WDW-100
Range of Testing Force (kN)	0.2 - 50	0.4 - 100
Accuracy of force	±0.5%/Class 0.5 (better than ASTM E4, ISO7500-1)	
Resolution of force	1/500000	
Displacement measuring accuracy	±0.5%	
Resolution of crosshead displacement (mm)	≥0.01	
Deformation measuring range	0.4%- 100%	
Deformation accuracy	±0.5%/Class 0.5 (better than ASTM E83, ISO9513)	
Crosshead moving speed (mm/min)	0.01 - 500	
Crosshead moving speed accuracy	±0.1% of set speed	
Max. tensile space (mm)	650	
Max. compression space (mm)	500	
Width of testing space (mm)	550	
Tensile grip for round specimen (mm)	φ4 - φ9, φ9- φ14	φ4 - φ9, φ9- φ14, φ14-φ20
Tensile grip for flat specimen (mm)	0-7, 7-14	
Compression platen diameter (mm)	Φ120	
Power supply	1-phase, 220V±10%, 50Hz, 1.5kW	1-phase, 220V±10%, 50Hz, 1.5kW
Dimension size L*W*H (mm)	880×710×1800	1040×630×2040
Weight (kg)	800	900

To learn more about this 50kN/100kN testing equipment, please contact us- **Email: sales@victorytest.com**