

# WDW 100-E Tensile (Compression) Tester

## Product Description

## Standards:

In accordance with or exceed the requirements of the following standards: **ISO 7500-1, ASTM E4, EN10002-2, BS 1610, DIN 51221, ISO6892.**

1. Complete computer controlled: The whole measuring and controlling system adopts specific PC control card  
Used for testing machines, realizing the data zero and plus adjustment, which has very high reliability.
2. Supporting multi-transducers  
Realizing the database management of the test data which are stored according to the standard format;  
Facilitating other software to analyze and transfer.
3. Perfect programming by auto program control, every control mode can smoothly shift to another one.  
Fulfilling the test requirement of all kinds of materials with every test standard home and abroad.
4. Control software has the auto-adjusting function of test hardness, which assures that the system works with Every kind of specimen hardness.
5. Perfect graphic function realizing the arbitrarily magnifying and  
Print of all kinds of test curves, the test point searching as well  
Kinds of test curves. Data processing supposes self-disposing  
Interaction, which facilitates the check and contrast of the test results.
6. The user can self -define the output of the test report, which is convenient for the user.
7. Modularization design facilitates the software upgrading, facilitating the user's development.
8. All the crucial parts were processed by our own processing equipment, guaranteeing The high accuracy of machine.



Precision of Ball Screws	16µm/300mm E level
Accuracy of deformation	<±1% within the 2%-100% full range of the extensometer (accuracy level±0.5%)
Crosshead stroke accuracy	0.001mm
Accuracy of indication value of test load	<±1% (accuracy level±0.5%)
Resolution of load	1/200000 of the max load force
Scope of deformation measure (normal extensometer)	2%-100% FN
Accuracy Indication of deformation (normal extensometer)	within ±1% of indication value
Scope of deformation measure (High deformation extensometer)	10mm-800mm
Accuracy Indication of deformation (High deformation)	within the ±1% of the value

on extensometer)			
Resolution of crosshead stroke	0.001mm		
Adjustment scope of test speed under Load control mode	0.005-5%FN/S		
Accuracy of test speed under Load control mode	Test Speed<0.05%FN/s, within the $\pm 2\%$ of the preset value; Test Speed $\geq 0.05\%$ FN/s, within the $\pm 0.5\%$ of the preset value		
Adjustment Scope of deformation rate	0.005-5%FN/S		
Accuracy of deformation rate	Test Speed<0.05%FN/s, within the $\pm 2\%$ of the preset value, while Test Speed $\geq 0.05\%$ FN/s, within the $\pm 0.5\%$ of the preset value		
Adjustment scope of stroke speed	0.005mm/min-250mm/min	0.005mm/min-500mm/min	
Accuracy of stroke speed	Test speed<0.01mm/min, within the $\pm 1.0\%$ of preset value, while test speed $\geq 0.01\text{mm/min}$ , within the $\pm 2\%$ of the preset value		
Scope of the consistent load deformation and displacement	0.5%-100%FN/s		

Load control							
Accuracy of the consistent load deformation and displacement control	preset value $\geq 10\%$ FN, within the $\pm 0.1\%$ of preset value; preset value $< 10\%$ FN, within the $\pm 1\%$ of preset value						
Length of the test space(mm)	600	600	600	600	600	800	700
Width of the test space(mm)	650	600	600	600	575	370	400
Dimension(mm)	1150x770 x2817	1100x770 x2817	1100x770 x2685	1010x750 x2225	945x654 x2266	686x525 x1880	610x480 x1285
Weight(kg)	2800	1560	1560	1100	700	250	100
Power Supply	AC380v $\pm 10\%$ , 50/60Hz, Three-phase Five-wire					AC220v $\pm 10\%$ , 50/60Hz	
Power	5	3	1.5			0.75	0.4
Type of machine	Floor type						Table type