

ELECTRONIC UNIVERSAL TESTING MACHINE WDW SERIES

Electronic universal testing machine WDW series adopts AC servo system and AC servo motor as driving system, computer data acquisition and processing, which can realize closed-loop control and automatic detection. It satisfies the standard test of mechanical properties of metals, nonmetallic test regulations, the test is according to other standards of different materials or products, such as tensile, compression, bending, shear type test, can calculate the tensile strength, yield strength and extension strength, modulus of elasticity and other performance indicators of measured material. It can achieve closed-loop control such as equal rate loading, equal rate deformation, equal rate displacement, equal rate strain, etc.



WDW-50A ▶

TECHNICAL SPECIFICATIONS

Model	WDW-10A/20A	WDW-30A/50A	WDW-100A	WDW-200A	WDW-300A
Maximum test force(kN)	10kN /20kN	30kN/50kN	100kN	200kN	300kN
Accuracy class	Class 0.5				
Load measurement range	0.4%-100%F•S				
Load resolution	±1/300000 of max capacity (unchanged in full range)				
Test force accuracy	Within ±0.5% of reading				
Deformation measurement range	0.2%-100%F•S				
Deformation accuracy	Within ±0.5% of reading				
Deformation measurement accuracy	1/300000 of max deformation				
Displacement accuracy	Within ±0.5% of reading				
Displacement resolution	0.0025mm				
Loading speed range	0.005-5%FS/S				
Loading speed accuracy	Speed rate < 0.05%FS/S, within ±2.0% of set value; speed ≥ 0.05%FS/S, within ±0.5% of set value.				
Deformation control speed range	0.02-5%FS/S				
Deformation control speed accuracy	Speed rate < 0.05%FS/S, within ±1.0% of set value; speed ≥ 0.05%FS/S, within ±0.5% of set value.				
Displacement speed range	0.001-1000mm/min	0.001-600mm/min			
Displacement speed accuracy	Speed < 0.01mm/min, within ±1.0% of set value; speed ≥ 0.01mm/min, within ±2.0% of set value.				
Available tensile space	700mm	700mm	600mm	600mm	
Effective test width	460mm	520mm	550mm	560mm	
Dimensions	860×580×1950(mm)	920×620×2100(mm)	1000×700×2100(mm)	1050×760×2300(mm)	
Power	220V±10%, 1.5kW			220V±10%, 4.0kW	
Weight	650kg	800kg	1050kg	1500kg	