

# Double Column Universal Testing Machine

Model: WDW-XX

## Application

- The series double column testing system for tension and compression applications where loads less than 300kN.
- >Designed with strong linear motion guide and servo motor.
- >Increased lateral stiffness to ensure linear crosshead travel.
- >Servo motor equipped with precise planet-gear speed reducer providing higher efficiency and low noise.
- >Wide range of test accessories allows to meet test requirements of different standards and for different materials.
- >This series is suitable to test: plastics, wires, bars, biomaterials, adhesive materials, etc...

## Standards:

ASTMA370, ASTM E4, ASTM E8, ASTM E9, ISO6892, ISO7438, ISO7500-1, EN10002-4, GB/T228-2002, HGT 3844-2008, QBT11130-1991, GB13-22-1991, HGT 3849-2008, GB6349-1986, GB/T1040.2-2006, ASTM C165, EN826,



MODEL	WDW-5E	WDW-10E	WDW-20E	WDW-30E	WDW-50E	WDW-100E
Load Capacity (kN)	5	10	20	30	50	100
Test Grade	0.5	0.5	0.5	0.5	0.5	0.5
Testing Force Accuracy	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Testing Force Range(FS)	0.4%-100%	0.4%-100%	0.4%-100%	0.4%-100%	0.4%-100%	0.4%-100%
Force Resolution	1/500000	1/500000	1/500000	1/500000	1/500000	1/500000
Displacement Accuracy	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Displacement Resolution(mm)	0.05	0.05	0.05	0.05	0.05	0.05
Speed Range (mm/min)	0.01-1000	0.01-1000	0.01-1000	0.01-1000	0.01-1000	0.01-500
Control Accuracy	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Crosshead Travel(mm)	1000	1000	1000	1100	1100	1100
Max. Tensile Testing Space(mm)	670	670	670	770	770	650
Max. Compression Testing Space(mm)	900	900	900	1000	1000	1000
Test width (mm)	450	450	450	450	450	550
Compression Platen(mm)	Φ98	Φ98	Φ98	Φ98	Φ98	Φ98
Load cell	High-precision USA load cell offers high stiffness, high stability, and high linearity Over-load protection ,lateral loading protection, Bi-direction allows tension and compression test					
Position limit switch	Upper and lower lights					
Power Supply	AC220V±10%, 50Hz/60Hz					
Overall Dimensions (L*W*H: mm)	850 x 590 x 1750			840 x 570 x 1850		950x660x2000
Net Weight(kG)	370	370	370	420	420	680

084-928-5202, 02-383-2679-80

<https://www.narin-instrument.co.th>

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NARIN INSTRUMENTS CO.,LTD. 60/201 M.1 T.Bangmueng Mueng, Samutprakarn 10270. Thailand

# Double Column Universal Testing Machine

Model: WDW-XX



▼ 200/300KN



▼ 500/600KN

MODEL	WDW-200E	WDW-300E	WDW-500E	WDW-600E
Load Capacity (kN)	200	300	500	600
Test Grade	0.5	0.5	0.5	0.5
Testing Force Accuracy	±0.5%	±0.5%	±0.5%	±0.5%
Testing Force Range	0.4%-100%FS	0.4%-100%FS	0.4%-100%FS	0.4%-100%FS
Force Resolution	1/300000	1/300000	1/300000	1/300000
Displacement Accuracy	±0.5%	±0.5%	±0.5%	±0.5%
Displacement Resolution(mm)	0.05	0.05	0.05	0.05
Speed Range (mm/min)	0.01-500	0.01-500	0.01-500	0.01-500
Control Accuracy	±0.5%	±0.5%	±0.5%	±0.5%
Crosshead Travel(mm)	1100	1100	1100	1100
Max. Tensile Testing Space(mm)	700	700	800	800
Max. Compression Testing Space(mm)	1100	1100	800	800
Test width (mm)	600	600	700	700
Compression Platen(mm)	Φ100	Φ100	Φ100	Φ100
Load cell	High-precision USA load cell offers high stiffness, high stability, and high linearity Over-load protection ,lateral loading protection, Bi-direction allows tension and compression test Self-recognition (TEDS) function, Regular self-calibration			
Position limit switch	Upper and lower lights			
Power Supply	AC220V±10%, 50Hz/60Hz			
Overall Dimensions (L*W*H: mm)	1102*870*2395		1450*1140*2730	
Net Weight(kG)	2200		4000	

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