

WDW Electronic Universal Testing Machine Series

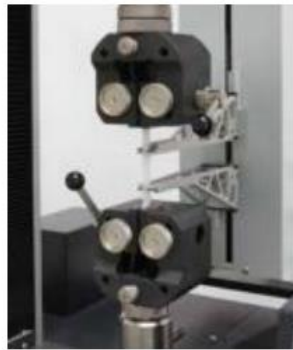
- Application

This series material testing machine product group was primarily developed for standardized tests on materials and components. Used in conjunction with the intuitive HKtest software.

Test Typical: wide range of tension, compression, bending, shearing and low cycle test. include metal, building components, rubber, plastic, spring, high strength steel (HSS), aerospace and automotive structures, screws, nuts, large fasteners, wood products etc.

- Standards

ASTMA370, ASTM E4, ASTM E8, ASTM E9, ASTM D638, ASTM D882, ASTM D3039, ASTM D3479, ASTM E517, ASTM D695, ASTM D6641, ASTM D3410, ASTM D7791, ASTM D412, ISO6892, ISO527-3, ISO527-4, ISO7438, ISO7500-1, EN10002-4, GB/T228-2002, GB 16491-2008, HGT 3844-2008 QBT 11130-1991, GB13-22-1991, HGT 3849-2008, GB6349-1986, GB/T 1040.2-2006, ASTM C165, EN826, EN1606, EN1607, EN12430 etc



NO.	Items	Model	WDW-10E	WDW-20E	WDW-30E	WDW-50E	WDW-100E	WDW-200E	WDW-300E	WDW-500E	WDW-600E	WDW-1000E
1	Host	Structure	2 column and 2 Ball Screw					4 column and 2 Ball Screw				
		Max. Load(kN)	10	20	30	50	100	200	300	500	600	1000
		Tensile space(mm)	670	670	670	770	650	700	700	800	800	850
		Compression space(mm)	900	900	900	1000	1000	1100	1100	800	800	850
		Effective test width	450	450	450	450	550	600	600	700	700	800
		Power Supply	220V/380V 50-60Hz									
2	Control System	Controller	24 bit AD, external controller									
		communication mode	USB 2.0									
		Test software	HKTest									
		Hand control box	320x240 Display Sscreen , 8 key control									
3	Process Specifications	Servo motor	TAIWAN "TECO"									
		Speed(mm/min)	0.01-1000	0.01-1000	0.01-1000	0.01-1000	0.01-500	0.01-500	0.01-500	0.01-200	0.01-200	0.01-200
		Displacement resolution	0.4 um	0.4 um	0.4 um	0.4 um	0.2um	0.2um	0.2um	0.1um	0.1um	0.1um
4	Test Specifications	Load cell	USA (max load) : one can add more load cell									
		Load accuracy	Class 0.5, EN 10002-2 Grade0.5, ISO75001-1 Class 0.5, BS 1610 Class 0.5, ASTM E4, and JIS B7721 Class 0.5									
		Measuring range	0.2% ~ 100%									
5	Safety Protection	strong electric drive system	24V voltage control, with over current overloading protection function									
		Position limit switch	Upper and lower lights									
		Power	Power light,leak current protection device									
		Automatic protection	Overload 10%, automatic protection									
		Position limit protection	Hall switch									
6	Other Configuration	Equipment level adjusting device	φ80mm /φ160mm /φ185mmvibration-absorptive cushioning iron									
		Hand control box fixing device	Standard									

Note:Extra wide and/or extra height frames are available.Power supply system is completely customizable.Tensile space, test width, and speed is completely customizable.

High and low temperature Electronic UTM Series



Compressor



Liquid nitrogen



High temperature furnace



High temperature test specimen

High and low Temperature test chamber

- Temperature range:
- -40/-70°C~150/300/350°C
- (compressor or liquid nitrogen)
- -190°C~300°C/350°C(liquid nitrogen)
- Inner chamber size:
- according to customer's requirement

High Temperature Electric Furnace

- Temperature range. 200-1100 C
- Heating method:
- Three sections of electric wire heating, Segment control
- Thermometric Element:
- K Type Temperature Measuring Thermocouple
- Dimension: $\Phi 300 \times 420 \text{ mm}$
- Heat Inner Diameter: $\Phi 80 \text{ mm} \times 360 \text{ mm}$



High temperature Extensometer