

## **TMA-WDW-1E/2E/5E**

### **Computer Control Electronic Universal Testing Machine (Single Column)**

#### **1. Brief Information**

Model TMA-WDW-1E/2E/5E computer control electronic universal testing machine is designed and manufactured according to ASTM, ISO, DIN, etc. Standard. It is computer-controlled precision testing machine, suitable for wide range of material for tension compression, bending and shearing test. It has high stability as well as high precision, equipped with PC system& printer for graph, test result display, test control as set program, printing & data processing. Complete with modulus for metal, spring, textile, rubber, plastic and other material testing & creep test. It is widely used in many fields such as industry factories, mineral enterprise and high schools.



Picture for reference

## 2. Features

- with remote control box to realize speed adjustment of crossbeam, flexibly and freely switched;
- with function of automatic return to original position, intelligently, efficiently, quickly;
- with limit protection function of any working position and over voltage, over current protection functions, reliable, safe;
- with strong test data, which can save, inquire and retrieve test data anytime.
- with many control modes of constant speed control to force, stress, deformation, strain, stroke, load, elongation, displacement and low cycle and user self-programming control;

switch among many test curves: stress-strain curve, load-deformation curve, load-displacement curve, load-time curve, deformation-time curve, displacement-time curve, load-strain curve, partial enlargement, overlap and comparison.

## 3. Technical Specification

Mode	TMA-WDW-1E/2E/5E
Max. Load capacity	1kN/2kN/5kN
Grade/class	Class 0.5
Measuring range of load	1%-100%FS
Relative error of indication	±0.5%
Load resolution	1/±3000000FS
Measuring range of deformation	0.2%-100%
Speed control range of displacement	0.005-500mm/min
Speed control accuracy of displacement	Within ±0.2% of the set value
Travel of cross beam (without grips)	980mm
Motor power	400W
Control method	Computer control
Working voltage	240volts, Single phase, 50 HZ
Dimension of loading machine (W*D*H)	540*500*1650mm
Weight	Approx. 160kg

## 4. Standard Configuration

No.	Content	Details	Qty.
1	Load frame (Single column)	Aluminum alloy cover with streamline design High intensity testing machine structure and cross head, High stiffness to assure accuracy Precise ball bearing screws	1 set
2	Servo motor		1set
3	Precise load cell	1kN/2kN/5kN	1 pc.
4	Hand-held controller		1pc.
5	Tensile test fixture		1set
6	Compression test fixture	Pressure platens Φ100mm	1set
7	Computer	Brand: Lenovo With original Win10 English operation system	1set
8	Test software	Special for electronic UTM	1set
9	Attached tools		1set
10	Technical documents	User manual, component lists, certificate	1pc.

**For further information please contact:**

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