



**TIME Group Inc.**  
**TIME-SHIJIN Group.**

## Computer Controlled Mechanical Electronic Universal Testing Machine WDW-10E (ISO7500-1999)

### Specifications:

|   |  |
|---|--|
| <b>Model No.</b>                        | <b>WDW- 10E (Full computer controlled UTM 20kN)</b>          |
| <b>Machine Type:</b>                    | <b>Bench / Floor type, Twin columns structure.</b>           |
| <b>Max Load Capacity:</b>               | <b>10kN [0.4% ~ 100% of total test load (0.04kN ~ 20kN)]</b> |
| <b>Basic Test type:</b>                 | <b>Tensile, bending, compressing etc.</b>                    |
| <b>Specimen shape:</b>                  | <b>Flat, Block, Round stick etc.</b>                         |
| <b>Crosshead displacement velocity:</b> | <b>0.005mm/min ~ 500mm/min stepless control</b>              |
| <b>Accuracy:</b>                        | <b>Better than 1%</b>  |
| <b>Ball screw column accuracy:</b>      | <b>16µm/300mm Class E</b>                                    |
| <b>Resolution of displacement:</b>      | <b>0.001mm</b>   |
| <b>Dimension of Load frame:</b>         | <b>750mm x 500mm x 1820mm</b>                                |
| <b>Net Weight of Main body:</b>         | <b>450kG</b>   |
| <b>Power supply:</b>                    | <b>220V 50 Hz single phase (60Hz acceptable)</b>             |

Overload protect High accuracy Force transducer (Load cell).

Cross head displacement restrict, Un-tangency photoelectric transducer Safe and reliable to control

A separate control box is set to provide multi-controlling of Crosshead up/down and emergency stop.

Manual Wedge tensile grip, firmly hold the specimen.

High accuracy photoelectric coder

Analogical instrument technology with friendly operation interface.

**Standard Accessory**

Wedge type

Compression

Bending accessory

采用贴片技术的试金控制器

Plug In PCI control card, suits all kinds of personal computer and main board.  
Full digital measure and control circuit  
Provided with Load, displacement & Deformation different measuring channel  
Close loop control by simply software Configuration.



### Standard Delivery items of WDW series

|  |               |
|--|---------------|
| Tension grip jaws (Wedge action Grips)                         | 1 set         |
| Grips for round specimen: ( $\Phi 4 - \Phi 14$ )               | 4pcs for each |
| Grips for flat specimen: (0 – 14)                              | 4pcs for each |
| Compression test attachment:                                   | 1 set         |
| Bending test attachment:                                       | 1 set         |
| Tool kit:  | 1 set         |
| Extensometer: (YYU-5020)                                       | 1 set         |
| Photoelectric coder:   | 1 pc          |
| Load cell: (10kN load cell)                                    | 1 pc          |
| Data-processing system: (TIME plug-in ready to use controller) | 1 set         |
| TIME software: V 1.90.P (or higher version)                    | 1 set         |
| Printer:   | 1 set         |
| Computer table:  | 1 set         |
| Servo speed adjusting system for WDW                           | 1 set         |
| Servo speed adjusting motor for WDW                            | 1 set         |

#### Documents provide:

1. User's Manual for WDW-10E.
2. User's Manual for the Software WinWDW<sup>®</sup>
3. Computer's Documents issued by Manufacturer Lenovo<sup>™</sup>
4. Certification for eligibility
5. Packing List



#### Guarantee: 01 year

#### Other Features:

1. Programmable Testing Software: Enable the operator to program individual test process to meet different test standards. (GB, ISO, ASTM etc.) User can also define own parameters to make it tested with this program.
2. Test report creation: User can input needed parameters to the program, the software will create test report once the test is finished. User also can define the customized test report with MS EXCEL<sup>®</sup> (separate purchase) function.
3. Manual or programmed test control, Open or close loop control. Switchable testing methods.
4. Tensile distance: less than 570mm (with tension grips); Compression distance: less than 570mm
5. Overload protection preset in software.