



**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## Electronic Servo Universal Tensile Testing Machine For Laboratory Computer Controlled





- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **GB JIS ASTM DIN**
- Model Number: **YY1313**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Case**
- Delivery Time: **20-25 days**
- Payment Terms: **Western Union T/T L/CPaypal**
- Supply Ability: **3 sets per month**

- Share to :

## **Laboratory Electronic Computer Control Servo Universal Testing Machine**

### **Application:**

This machine adopts computer control and widely used in rubber, plastics, wires and cables, textiles, waterproof materials, non-woven fabrics and other non-metallic materials, as well as mechanical properties testing of metal wires, metal foils, metal plates, and metal bars. Applicable to a variety of finished product stretching, compression, peeling, shearing, tearing, bending (folding) test together with various fixtures. It could print many data, according to different data to make a graphical output comparison, high control accuracy, and easy operation; it's designed by modular, all kinds of accessories are complete and flexible.

This machine is mainly used for testing mechanical properties of metal such as tensile, compression, bending, etc. It can also achieve constant stress, constant strain, creep, relaxation, axial, radial and other kinds of dead-end cycle tests. According to GB, JIS, ASTM, DIN and other standards automatically determine the tensile strength, yield strength, elongation, constant elongation stress, constant stress elongation, elastic modulus and other parameters.

### **Control Software:**

Language: Simplified Chinese/English

Force unit: N, KN, Kgf, Lbf, Length Unit: mm, cm, in

Control method:

Computer software set speed, set load break (breakage), running time and other control methods

Manual operation box: convenient for calibration and positioning when holding the test sample

Automatic determination of material breakage, crushing, etc. and automatic shutdown, can be set automatically return

Curve type:

Load - Displacement, Load - Time, Displacement - Time

Stress - Strain, Strain - Time, Stress - Time.

Curve vertical and horizontal coordinates can be set arbitrarily.

Available test data:

Maximum strength, minimum strength, fracture value, up and down yield strength, tensile strength, compressive strength, elastic modulus, elongation, maximum, minimum, average value of the stripping interval. (Customers need to order before selection)

With overload, over-current, over-voltage, under-voltage, over-speed, travel and other multiple protection.

The data results are derived from the current national standard crystal report format.

### **Specifications:**

Capacity: 3000kg, 3T, 30KN

Accuracy: 0.5, test force accuracy is better than  $\pm 0.5\%$ ,

Load sensing: high precision tension transducer (can be equipped with multiple sensors at the same time)

High resolution: 1/300000

Magnification: 24 bits AD Magnification

Unit: N, kN

Test speed range: 0.001~500 mm/min stepless speed regulation

Speed control accuracy:  $\pm 0.5\%$

Displacement resolution: 0.001mm

Test effective width: Standard type: 400 mm (or customized according to customer requirements)

Test stroke (including fixtures): Standard type: 800 mm (or customized according to customer requirements)

Overload setting protection function: automatic shutdown protection when the set test force exceeds 10%

Stroke setting protection function: set protect upper and lower stroke positions.

Power Servo Motor: Tamagawa Servo & Servo Drive Controller

Power consumption: 0.4kVA

Power supply: 1 $\emptyset$ , 220 VAC, 50/60 Hz

Volume: 76x60x210 cm (WxDxH)

Weight: 400 kg

Standard accessories: tension clamps, tools, manual, warranty

Punctuation extension meter

1. Non-metallic large deformation device



2. Small deformation (scale length: 25, 50, 100mm)



**Accessories and configuration:**

1, test machine host 1 set

1.1 American force high-precision load sensor 1pcs

1.2 Japan Tamagawa servomotor 1 set

1.3 Taiwan City State Deceleration System 1 set

1.4 Taiwan TBI precision screw 1 set

1.5 Mitsubishi synchronous belt wheel 1 set

1.6 Jianmei aluminum professional shield 1 set

2. WindowsXP operating system & test software 1 set

3. Haier brand computer 1

4. Color inkjet printer 1

5. Stretching, compression attachment 1 set

6. Tools (to provide installation, maintenance, operation of the special tools required) 1 set

7. Technical information (operating instructions, warranty card, certificate) 1 set