

Micro-Computer Universal Tensile Test Machine RC-102



Summary:

The machine is applicable for testing the tensile strength, elongation rate, laceration, adhesion force, tensile strength, stripping force, shearing force as well as adhesion force between plastics and metal of various materials, finished products such as soles, trees, rubber hoses, triangle hoses, plastic cloth, plastic plate, film for packaging, acrylic, FRP, ABS, EVA, PU, etc, semi-finished products or dumbbell-type test specimen.

Theory:

Mainly Clamping the specimen. control load and speed by Electronic Control System. Inductive power through force sensor and transmitted to signal to the microcomputer systems to determine various properties of the specimen.

Test Standard:

ASTMD903, GB/T16491, GB/T1040, GB/T8808, GB13022, GB/T 2790/2791/2792, GB/T 16491-2008, GB/T 12160-2002, GB/T 16825-2008, CNS- 11888, JIS K6854, PSTC-7, ISO 3377-1, ISO 3377-2

Technical Specification:

Model	RC-102
Capacity	10,20,50,100,200kg (optional)
Display mode	Touch Screen
Test speed:	stepless speed changing
Switching unit	Kg, lb , N
Degree of disintegration	1/25,000
Precision	Within±1%
Max stroke	600mm or designed
Speed input	Knobs
Test speed	50~480mm/min
Data sampling frequency	10HZ
Display	can display the test value, the maximum value
Motor	AC motor
Volume	450×500×1350mm
Power supply	1 ϕ ,220V ,50Hz (110V is available)
weight	About 90kg

Electrical Measurement and Control System:

- 1) With protect function of overload, over current, over voltage, displacement limit, emergency stop, etc
- 2) The controller can control more load sensor, high integration, stable and reliable, easy to adjust.
- 3) When finished testing, automatic stop.
- 4) Control system with programmable amplifier A/D conversion, digital I/O, counting and pulse happen (PWM), and other functions in one.
- 5) Mechanical zero setting, automatic force measurement, zero setting, calibration and save, highly integrated control circuit