

Applications:

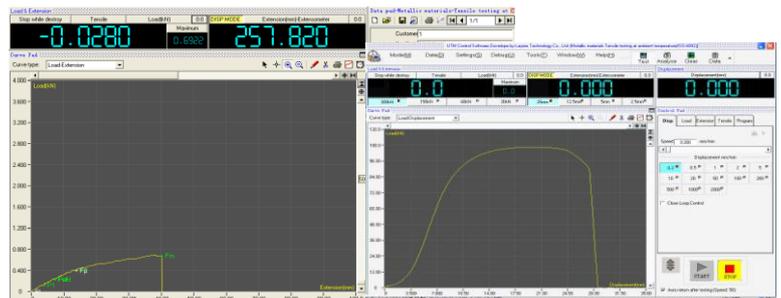
This electronic universal testing machine is comprised of Main frame, mechanical limited switch, electrical system, testing fixture, computer and printer. It is suitable for tensile, compression, bending and other mechanical property for metal and non-metal material, such as rubber, plastic power cable, composite material, metal bar, metal sheet, spring and so on. They are essential testing instrument for electronic enterprise, metal and non-metal manufacturer, university, college and research institute. By adding different grip, it can execute GB, ISO, ASTM, DIN testing standard, it also can equipped with customized testing grip according customer's requirement.

Features:



- Double testing space and high rigidity structure, linear stroke make sure crossbeam accurate alignment, so that decrease the testing date error;
- Equipped with mechanical limited switch, emergency stop switch, ensure the testing fixture and load cell against any possible damage during test;
- Adopt High-precision ball screw, improve transmission efficiency and displacement accuracy;
- Panasonic Servo motor, low noise, accurate loading speed and loading position;
- MORON Optical-electronic encoder, compact size, high precision, high reliability;
- Adopt Celtron High-precision Load cell, make sure getting accurate force value.

- Equipped with Dell computer, Can Choose English or Chinese Windows Operation system;
- Test process, result display, result analysis, result print, all the function can be controlled by the computer, testing data and curve can real-time display during test;
- Computer 3 close-loop control testing mode of load, deformation displacement;
- Various testing curves, Load-Time, Extension-Time, Stress-Strain, Load- Extension, etc;
- Can zoom and analysis at any point in the curve;
- Automatically calculate tensile strength, yield strength, modulus of elasticity, Rp0.2, Rt0.5;
- Support to change Excel format report, easy to pinpoint the location of the data;
- The same group sample can continuous testing, and can be analyzed separately for each test results;
- Can store testing result, testing curve and data;
- Have "Stop while destroy" function, system can automatic stop working when specimen is broken;
- Has overload, overpressure and underpressure protection;
- Can set different velocity to control the crossbeam up or down;
- Can make zero, clearing the force value, deformation and displacement during the test.



Key Specification:

Description	Technical parameters
Maximum force	20KN
Grade	0.5
Measuring range of force	0.4%~100%FS
Accuracy	±1%
Resolution of force	1/300000 of maximum force
Resolution of displacement	0.001mm, Accuracy: ≤±0.5%
Speed range of crosshead	0.01~500mm/min (Max 1000 mm/min ordered)
Valid tension space	800 mm
Valid compression space	900 mm
Sample thickness	Flat jaw: 0-14 Round jaw: φ4~φ14
Power supply	1P, 220V ± 10%, 50/60Hz
Working condition	RT 10~40℃, relative humidity ≤ 90%
Dimension of host machine	800 × 620 × 1830 mm
Net weight	420Kg

Accessories List:

Standard Accessories				
	PCI Card	Dell Computer	HP Color jet printer	Remote control box
				
	Extensometer Gauge Length:50mm Deformation:25mm	Compression Plates	3-point bending	Flat Tension Grip
				
Celtron Load Cell	MORON Encoder	Panasonic Servo Motor	Tools	
Option Accessories				
	Large Extensometer	Thread Tension	Tearing	Pneumatic Tension
				
	Shear	Nail Withdraw	Puncture	4-point bending
				
	Wood Bending	Lever Tension	Flat Tension	Wedge Tension