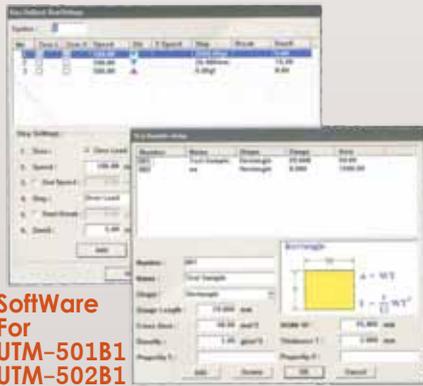




UTM-503B1



SoftWare For UTM-501B1 UTM-502B1

UTM-501B1/502B1/503B1, Computerized Universal Testing Machine

UTM-501B1 serial, apply to metal rod, concrete, fabric etc. Floor type, is more stable and convenient for operating. Strong structural & small volume, transmission efficiency more than 70%, less energy loss and high precision, operate easily, 501B1 & 502B1 could connect to computer.

Specifications:

- The seal plates are treated by anode hardening, and the ball screws are equipped with dust-proof cover to extend its lifetime and precision. Hardware protection: Up/down limit, emergency stop button.
- Servo-motor driven, precise decelerators and ball screws is used to reduce the noisy, loss of transmission.
- LCD display screen can use to operate the machine without connecting with computer.
- Load Cell comply with ASTM-E4 standard which accuracy is limited within 1.0 % and adopt bridge circuit to sense the load force and export data. Load cell also includes memory lock to memorize various parameters. Machine can detects the parameter automatically when switching different load cells.
- With external I/O junction to expand functions
- Inching control.
- Various grips and extensometers are available.

Function of Software:

- Data sampling rate: Max. 60Hz.
- Full-computerized control to run the test or Jog button control
- Compatible with Window XP or Vista system, but the memory requires 512MB.
- USB interface for bidirectional transmission
- Multi-curves display and real-time plot
- various unit of measurement are available
- Flexible form to manage database.
- Free to name the data file.
- Testing screen is selective to display data, graph or for both at the same time.
- Data processing: file saving, setting loading, report printing and data comparing.
- Graph display: strain v.s. elongation, strain v.s. time and so on.
- tensile test, compression test, bending test, peel test, adhesive test...
- Deformation of machine is revised automatically to ensure test data closing to the precise value.
- Software protection: Overload, over-displacement protection.

Model	UTM-501B1	UTM-502B1	UTM-503B1
Max. Capacity	300 KN (30,000 kgf)	200 KN (20,000 kgf)	100 KN (10,000 kgf)
Force resolution	1/10000	1/10000	1/10000
Travel resolution	0.005 mm	0.005 mm	0.005 mm
Speed	0.2~300 mm/min	0.2~300 mm/min	0.3~350 mm/min
Motor power	3.0kw	2.0kw	1.0kw
Speed accuracy	±0.5%	±0.5%	±0.5%
Motor style	AC servo motor	AC servo motor	AC servo motor
Testing Space	550 mm	550 mm	550 mm
Dimension	124x68x220(H) cm	120x65x220(H) cm	115x65x220(H) cm
Weight	950 kg	900 kg	800 kg
Power supply	3Ø200~240 V AC, 15A	3Ø200~240 V AC, 15A	1Ø200~240 V AC, 15A
PC-Port	USB	USB	USB
Data Sampling Rate	5K Hz	5K Hz	5K Hz
Optional accessories	UTM-TECH B1 Software Grips Extensometer UTM-515, UTM-558 PC	UTM-TECH software Grips Extensometer PC	-
Stroke(w/o grips)	1000 mm	1000 mm	1000 mm