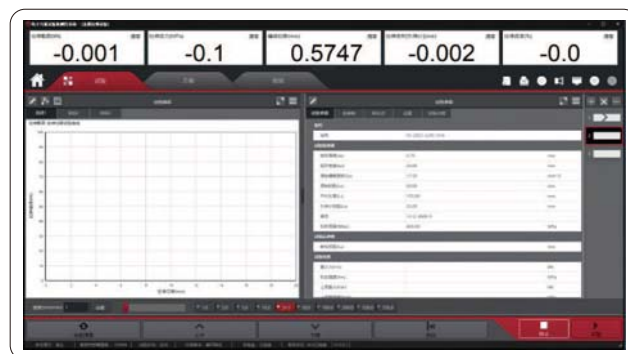


ELECTRONIC UNIVERSAL TESTING MACHINES (PROFESSIONAL TYPE)



UTM-X010-U

wired hand control box
(included)



test interface



test and calibration interface

- UTM-X series electronic for universal testing machines are equipped with a variety of test software, can be for metal, ceramics, plastics, rubber and composite materials and other related mechanical properties of the test and research. It can also be used for research and quality control of mechanical properties of various products such as mechanical parts, electronic parts, food packaging materials, chemical fibres, films, new energy batteries and so on.
- The rigidity of the host, loading speed and load, deformation measurement accuracy, data reliability, adoption rate and closed-loop control rate are excellent.



security door (optional)



tensile fixture (optional)



compression fixture (optional)



clamp blocks (optional)

- Electronic universal testing machines are usually equipped with tensile fixtures, compression fixtures and clamp blocks. In addition, there are dozens of application fixtures for metal materials, resin/plastic materials, soft plastics/rubber/films/adhesives, etc., composite materials, electronic materials and components industry applications, new energy industry applications and so on.



fully automatic extensometer (optional) (class 0.5 high-precision fully-automatic extensometer with a wide measuring range for automatic testing and full strain measurement)

high precision axial extensometer (optional) (a variety of scales can be selected to fully meet the requirements of a variety of materials, the accuracy meets class 0.5)

width gauge (optional) (widely used for r-value and poisson's ratio measurements, meets the requirements of ASTM E517 and ISO10113)

high temperature furnace (optional)

constant temperature and humidity box (optional)

high and low temperature environment box (optional)

SPECIFICATION

Part No.	UTM-X001-U	UTM-X005-U	UTM-X010-U
Maximum test force	1kN	5kN	10kN
Accuracy class	0.5 class		
Accuracy of test force	±0.5% of indicated value		
Range of test force	0.2%~100%FS		
Test force resolution	0.002N	0.02N	0.02N
Crossbeam displacement accuracy	±0.1% of indicated value		
Crossbeam displacement resolution	4μin		
Velocity accuracy	±0.1% of indicated value		
Range of speed adjustment	0.00004~39.37in/min		
Effective test width	16.54"		
Vertical test space	standard model	47.24"	
	heighten 9.84"	57.09"	
	heighten 19.69"	66.93"	
Dimension W x D x H	standard model	29.45×22.91×62.99"	
	heighten 9.84"	29.45×22.91×72.83"	
	heighten 19.69"	29.45×22.91×82.68"	
Weight	standard model	352.74lb	
	heighten 9.84"	407.86lb	
	heighten 19.69"	462.97lb	
Power supply	AC110V, 60Hz, 1kW		
Environmental requirements	temp: 41~104°F humidity level: 5~85%RH non-condensing no vibration		

Part No.	UTM-X050-U	UTM-X100-U	UTM-X300-U
Maximum test force	50kN	100kN	300kN
Accuracy class	0.5 class		
Accuracy of test force	±0.5% of indicated value		
Range of test force	0.2%~100%FS		
Test force resolution	0.2N	0.2N	0.5N
Crossbeam displacement accuracy	±0.1% of indicated value		
Crossbeam displacement resolution	4μin		
Velocity accuracy	±0.1% of indicated value		
Range of speed adjustment	0.00004~31.49in/min		0.00004~19.68in/min
Effective test width	23.62"		
Vertical test space	standard model	49.41"	
	heighten 9.84"	59.25"	
	heighten 19.69"	—	—
Dimension W x D x H	standard model	43.31×28.50×85.04"	
	heighten 9.84"	43.31×28.50×94.88"	
	heighten 19.69"	—	—
Weight	standard model	1344.82lb	
	heighten 9.84"	1455.05lb	
	heighten 19.69"	—	—
Power supply	AC480V, 3Ø, 60Hz, 4kW	AC480V, 3Ø, 60Hz, 4.5kW	AC480V, 3Ø, 60Hz, 6kW
Environmental requirements	temp: 41~104°F humidity level: 5~85%RH non-condensing no vibration		

STANDARD DELIVERY

Main unit	1 pc
Control box	1 pc
Computer	1 pc
Software	1 pc
Printer	1 pc

OPTIONAL ASSESSORY

Security door*	customizable
Fixture*	
Extensometer*	
Width gauge*	
High temperature furnace*	
Constant temperature and humidity box*	
High and low temperature environment box*	

* Selection of specifications according to test requirements