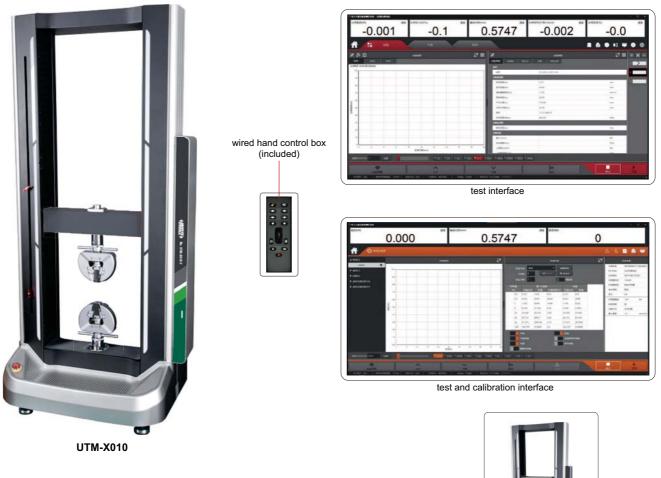
ELECTRONIC UNIVERSAL TESTING MACHINES (PROFESSIONAL TYPE)



- 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.



tensile fixture (**optional**)





security door (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

Power supply

Environment requirements

Code		UTM-X001	UTM-X005	UTM-X010	
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		0.1µm			
Velocity accuracy		±0.1% of indicated value			
Range of speed adjustment		0.001~1000mm/min			
Effective test width		420mm			
Martineland	standard model	1200mm			
Vertical test	heighten 250mm	1450mm			
space	heighten 500mm	1700mm			
Dimension	standard model	748×582×1600mm			
WxDxH	heighten 250mm	748×582×1850mm			
	heighten 500mm	748×582×2100mm			
	standard model	160kg			
Weight	heighten 250mm	185kg			
	heighten 500mm	210kg			
Power supply		AC220V, 50Hz, 1kW	I		
Environment requirements		temp: 5~40 [°] C humidity level: 5~85%RH non-condensing no vibration			
Environment r	equirements	•	•		
Environment r	equirements	•	•	UTM-X300	
		non-condensing no	vibration	UTM-X300 300kN	
Code	force	non-condensing no	vibration UTM-X100		
Code Maximum test Accuracy clas Error of test fo	force s	non-condensing no UTM-X050 50kN	vibration UTM-X100 100kN		
Code Maximum test Accuracy clas	force s	non-condensing no UTM-X050 50kN 0.5 class	vibration UTM-X100 100kN		
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Code Maximum test Accuracy clas Error of test fo Range of test f Test force reso Crossbeam dis Crossbeam dis	force s brce force blution splacement accuracy splacement resolution acy	non-condensing no UTM-X050 50kN 0.5 class ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm ±0.1% of indicated v 0.001~800mm/min	vibration UTM-X100 100kN ralue 0.2N ralue	300kN	
Code Maximum test Accuracy clas Error of test fo Range of test fo Test force reso Crossbeam dis Crossbeam dis Velocity accur	force s brce force blution splacement accuracy splacement resolution acy d adjustment	non-condensing no UTM-X050 50kN 0.5 class ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm ±0.1% of indicated v	vibration UTM-X100 100kN ralue 0.2N ralue	300kN 0.5N	
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Code Maximum test Accuracy clas Error of test for Range of test for Test force reso Crossbeam dia Crossbeam dia Velocity accur Range of spee Effective test of Vertical test	force s prce force blution splacement accuracy splacement resolution acy ed adjustment width standard model heighten 250mm	non-condensing no UTM-X050 50kN 0.5 class ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm ±0.1% of indicated v 0.001~800mm/min 600mm	vibration UTM-X100 100kN ralue 0.2N ralue	300kN 0.5N 0.001~500mm/min	
Code Maximum test Accuracy clas Error of test for Range of test for Test force reso Crossbeam dia Crossbeam dia Velocity accur Range of spee Effective test of	force s orce force olution splacement accuracy splacement resolution acy d adjustment width standard model	non-condensing no UTM-X050 50kN 0.5 class ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm ±0.1% of indicated v 0.001~800mm/min 600mm 1255mm	vibration UTM-X100 100kN ralue 0.2N ralue	300kN 0.5N 0.001~500mm/min 1450mm	
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Code Maximum test Accuracy clas Error of test for Range of test for Test force reso Crossbeam dis Crossbeam dis Velocity accur Range of spee Effective test Vertical test space	force s prce force blution splacement accuracy splacement resolution acy d adjustment width standard model heighten 250mm heighten 500mm standard model	non-condensing no UTM-X050 50kN 0.5 class ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm ±0.1% of indicated v 0.001~800mm/min 600mm 1255mm 1505mm - 1100×724×2160mm	vibration UTM-X100 100kN ralue 0.2N ralue value -	300kN 0.5N 0.001~500mm/min 1450mm 1700mm - 1180×756×2440mm	
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temp: 5~40 C humidity level: 5~85%RH non-condensing no vibration

AC380V, 3Ø,

50Hz, 4kW

AC380V, 3Ø,

50Hz, 4.5kW

AC380V, 3Ø,

50Hz, 6kW

STANDARD DELIVERY

<u> </u>		
Main unit	1 pc	
Control box	1 pc	
Computer	1 pc	
Software	1 pc	
Printer	1 pc	

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

*Selection of specifications according to test requirements