## ELECTRONIC UNIVERSAL TESTING MACHINES (PROFESSIONAL TYPE)

ATTENTION: FIXTURE (OPTIONAL)



UTM-X010



UTM-X100



test interface



wired hand control box (included)



tensile fixture (optional)



- Equipped with a variety of test standards, can be for metal, ceramics, plastics, rubber and composite materials and other related mechanical properties of the test and research
- Can 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

compression fixture (optional)





fully automatic extensometer (optional) 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 (a variety of scales can be selected to fully meet the requirements of 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)

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Code		UTM-X001	UTM-X005	UTM-X010	
Maximum tes	st force	1kN	5kN	10kN	
Accuracy cla	SS	class 0.5			
Accuracy of test force		±0.5% of indicated value			
Range of test	t force	0.2%~100%FS	_		
Test force res	solution	0.002N	0.02N	0.02N	
Crossbeam o	lisplacement accuracy	±0.1% of indicated	value		
Crossbeam o	lisplacement resolution	0.1µm			
Velocity accu	ігасу	±0.1% of indicated	value		
Range of spe	ed adjustment	0.001~1000mm/mir	ו		
Effective test	width	420mm			
	standard mode	1200mm			
Vertical test	heightened 250mm (optional)	1450mm			
space	heightened 500mm (optional)	1700mm			
Dimension	standard model	748×582×1600mm			
Dimension W x D x H	heightened 250mm (optional)	748×582×1850mm			
	heightened 500mm (optional)	748×582×2100mm			
	standard mode	160kg			
Weight	heightened 250mm (optional)	185kg			
	heightened 500mm (optional)	210kg			
Power supply		AC220V, 50Hz, 1kV	V		
Environment requirements		temp: 5~40 <sup>C</sup> humidity level: 5~85%RH non-condensing no vibration			
		Hell condensing he	VIBIATION		
Code		UTM-X050	UTM-X100	UTM-X300	
Code Maximum tes	t force	· · · ·	1	UTM-X300 300kN	
		UTM-X050	UTM-X100		
Maximum tes	SS	<b>UTM-X050</b> 50kN	<b>UTM-X100</b> 100kN		
Maximum tes Accuracy cla	ss force	UTM-X050 50kN class 0.5	<b>UTM-X100</b> 100kN		
Maximum tes Accuracy cla Error of test	ss force t force	UTM-X050 50kN class 0.5 ±0.5% of indicated	<b>UTM-X100</b> 100kN		
Maximum tes Accuracy cla Error of test Range of tes Test force res	ss force t force	UTM-X050 50kN class 0.5 ±0.5% of indicated 0.2%~100%FS	UTM-X100 100kN value 0.2N	300kN	
Maximum tes Accuracy cla Error of test Range of tes Test force res Crossbeam c	ss force t force solution	UTM-X050 50kN class 0.5 ±0.5% of indicated × 0.2%~100%FS 0.2N	UTM-X100 100kN value 0.2N	300kN	
Maximum tes Accuracy cla Error of test Range of tes Test force res Crossbeam c	ss force t force solution lisplacement accuracy lisplacement resolution	UTM-X050 50kN class 0.5 ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v	UTM-X100 100kN value 0.2N value	300kN	
Maximum tes Accuracy cla Error of test Range of test Test force res Crossbeam of Crossbeam of Velocity accu	ss force t force solution lisplacement accuracy lisplacement resolution	UTM-X050 50kN class 0.5 ±0.5% of indicated v 0.2%~100%FS 0.2N ±0.1% of indicated v 0.1µm	UTM-X100 100kN value 0.2N value	300kN	
Maximum tes Accuracy cla Error of test Range of tes Test force res Crossbeam of Crossbeam of Velocity accu	ss force t force solution lisplacement accuracy lisplacement resolution iracy ed adjustment	UTM-X050 50kN class 0.5 ±0.5% of indicated 1 0.2%~100%FS 0.2N ±0.1% of indicated 1 0.1µm ±0.1% of indicated 1	UTM-X100 100kN value 0.2N value	0.5N	
Maximum tes Accuracy cla Error of test Range of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test	SS force t force solution lisplacement accuracy lisplacement resolution Iracy ed adjustment width standard model	UTM-X050 50kN class 0.5 ±0.5% of indicated 9 0.2%~100%FS 0.2N ±0.1% of indicated 9 0.1µm ±0.1% of indicated 9 0.001~800mm/min	UTM-X100 100kN value 0.2N value	0.5N	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test	ss force t force solution lisplacement accuracy lisplacement resolution tracy red adjustment width standard model heightened 250mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated 10 0.2%~100%FS 0.2N ±0.1% of indicated 10 0.1µm ±0.1% of indicated 10 0.001~800mm/min 600mm	UTM-X100 100kN value 0.2N value	300kN 0.5N 0.001~500mm/min	
Maximum tes Accuracy cla Error of test Range of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test	SS force t force solution lisplacement accuracy lisplacement resolution Iracy ed adjustment width standard model	UTM-X050 50kN class 0.5 ±0.5% of indicated 10 0.2%~100%FS 0.2N ±0.1% of indicated 10 0.1µm ±0.1% of indicated 10 0.001~800mm/min 600mm 1255mm	UTM-X100 100kN value 0.2N value	300kN 0.5N 0.001~500mm/min 1450mm	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space	ss force t force solution lisplacement accuracy lisplacement resolution tracy red adjustment width standard model heightened 250mm (optional) heightened 500mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated 10 0.2%~100%FS 0.2N ±0.1% of indicated 10 0.1µm ±0.1% of indicated 10 0.001~800mm/min 600mm 1255mm	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.001~500mm/min 1450mm	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space Dimension	ss force t force solution lisplacement accuracy lisplacement resolution tracy ed adjustment width standard model heightened 250mm (optional) heightened 500mm (optional) standard model heightened 250mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated % 0.2%~100%FS 0.2N ±0.1% of indicated % 0.1µm ±0.1% of indicated % 0.001~800mm/min 600mm 1255mm 1505mm –	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1700mm –	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space	ss force t force solution lisplacement accuracy lisplacement resolution tracy red adjustment width standard model heightened 250mm (optional) heightened 500mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated % 0.2%~100%FS 0.2N ±0.1% of indicated % 0.1µm ±0.1% of indicated % 0.001~800mm/min 600mm 1255mm 1505mm – 1100×724×2160mm	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1700mm – 1180×756×2440mm	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space Dimension	ss force t force solution lisplacement accuracy lisplacement resolution tracy ed adjustment width standard model heightened 250mm (optional) heightened 500mm (optional) standard model heightened 250mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated % 0.2%~100%FS 0.2N ±0.1% of indicated % 0.1µm ±0.1% of indicated % 0.001~800mm/min 600mm 1255mm 1505mm – 1100×724×2160mm	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1700mm – 1180×756×2440mm	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space	ss force t force solution lisplacement accuracy lisplacement resolution uracy ed adjustment width standard model heightened 250mm (optional) heightened 500mm (optional) heightened 250mm (optional) heightened 250mm (optional)	UTM-X050 50kN class 0.5 ±0.5% of indicated × 0.2%~100%FS 0.2N ±0.1% of indicated × 0.1µm ±0.1% of indicated × 0.001~800mm/min 600mm 1255mm 1505mm - 1100×724×2160mm 1100×724×2410mm -	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1450mm 1700mm - 1180×756×2440mm 1180×756×2690mm -	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space Dimension W x D x H	ss force t force solution lisplacement accuracy lisplacement resolution uracy ed adjustment width standard model heightened 250mm (optional) heightened 250mm (optional) heightened 250mm (optional) heightened 250mm (optional) standard model	UTM-X050 50kN class 0.5 ±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 1100×724×2160mm - 610kg	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1450mm 1700mm - 1180×756×2440mm 1180×756×2690mm - 965kg	
Maximum tes Accuracy cla Error of test Test force res Crossbeam of Crossbeam of Velocity accu Range of spe Effective test Vertical test space Dimension W x D x H	ss force t force solution lisplacement accuracy lisplacement resolution tracy red adjustment width standard model heightened 250mm (optional) heightened 500mm (optional) heightened 500mm (optional) standard model heightened 250mm (optional) heightened 250mm (optional) heightened 250mm (optional)	UTM-X050 50kN class 0.5 ±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 1100×724×2160mm - 610kg	UTM-X100 100kN value 0.2N value value	300kN 0.5N 0.5N 0.001~500mm/min 1450mm 1450mm 1700mm - 1180×756×2440mm 1180×756×2690mm - 965kg	



mannanne	1 00
Control box	1 pc
Computer	1 pc
Software	1 pc
Printer	1 pc

## **OPTIONAL ASSESSORY**

Security door				
Fixture <sup>*</sup>				
Extensometer*				
Width gauge <sup>*</sup>				
High temperature furnace*	aurata na izra kila			
Constant temperature and humidity box <sup>*</sup>	customizable			
High and Iow temperature environment box*				

\*Selection of specifications according to test requirements