

ELECTRONIC UNIVERSAL TESTING MACHINES (PROFESSIONAL TYPE)

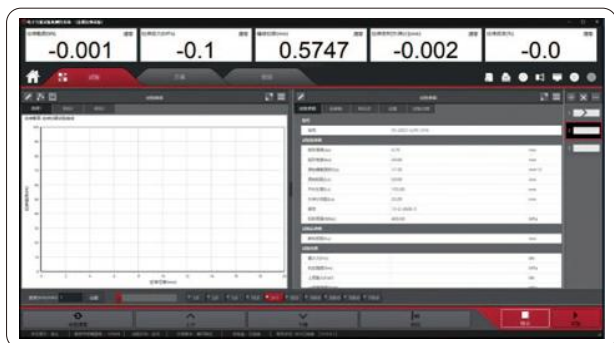
ATTENTION:
FIXTURE (OPTIONAL)



UTM-X010



UTM-X100



test interface



wired hand control box
(included)



tensile fixture (optional)



compression 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



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
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

Code		UTM-X001	UTM-X005	UTM-X010
Maximum test force		1kN	5kN	10kN
Accuracy class		class 0.5		
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		
Vertical test space	standard model	1200mm		
	heightened 250mm (optional)	1450mm		
	heightened 500mm (optional)	1700mm		
Dimension W x D x H	standard model	748×582×1600mm		
	heightened 250mm (optional)	748×582×1850mm		
	heightened 500mm (optional)	748×582×2100mm		
Weight	standard model	160kg		
	heightened 250mm (optional)	185kg		
	heightened 500mm (optional)	210kg		
Power supply		AC220V, 50Hz, 1kW		
Environment requirements		temp: 5~40 C humidity level: 5~85%RH non-condensing no vibration		

Code	UTM-X050	UTM-X100	UTM-X300
Maximum test force	50kN	100kN	300kN
Accuracy class	class 0.5		
Error 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	0.1μm		
Velocity accuracy	±0.1% of indicated value		
Range of speed adjustment	0.001~800mm/min		0.001~500mm/min
Effective test width	600mm		
Vertical test space	standard model	1255mm	
	heightened 250mm (optional)	1505mm	
	heightened 500mm (optional)	—	
Dimension W x D x H	standard model	1100×724×2160mm	
	heightened 250mm (optional)	1100×724×2410mm	
	heightened 500mm (optional)	—	
Weight	standard model	610kg	
	heightened 250mm (optional)	660kg	
	heightened 500mm (optional)	—	
Power supply	AC380V, 3Ø, 50Hz, 4kW	AC380V, 3Ø, 50Hz, 4.5kW	AC380V, 3Ø, 50Hz, 6kW
Environment requirements	temp: 5~40℃ 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