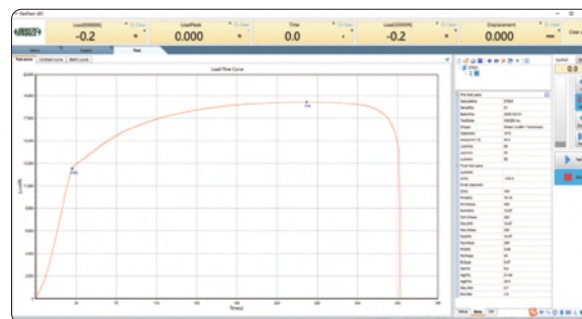


ELECTRONIC UNIVERSAL TESTING MACHINES



UTM-E50-U



computer and software (included)



flat jaws (included)



V-shaped jaws (included)

- For testing and researching the mechanical properties of metals, ceramics, plastics, rubber and composite materials
- For research and quality control of mechanical properties of materials for a wide range of products such as mechanical components, electronic components, food packaging materials, chemical fibres, films and new energy batteries

SPECIFICATION

Part No.	UTM-E10-U	UTM-E20-U	UTM-E30-U	UTM-E50-U
Max. test force	10kN	20kN	30kN	50kN
Accuracy class	0.5 class			
Accuracy of test force	±0.5% of indicated value			
Range of test force	0.2%~100%FS			
Resolution of test force	1/500000FS			
Crossbeam displacement accuracy	±0.5% of indicated value			
Crossbeam displacement resolution	.99μin			
Range of speed adjustment	39.37μin~19.68in/min			
Accuracy of crossbeam speed	±1% of the set value, (speed<.02in/min) ±0.2% of the set value, (speed≥.02in/min)			
Range of force control speed	0.005~5%FS/s			
Accuracy of constant load force	±2% of the set value, (speed<0.05%FS/s) ±0.5% of the set value, (speed≥0.05%FS/s)			
Compression fixture	3.94" DIA	3.94" DIA	3.94" DIA	3.94" DIA
Wedge tension fixture	flat jaw: 0~.28"	flat jaw: 0~.28" V-jaw: .16~.35" DIA	flat jaw: 0~.28" V-jaw: .16~.35" DIA	flat jaw: 0~.55" V-jaw: .16~.55" DIA
Effective test width*	15.75"	17.32"	17.32"	17.32"
Vertical test space*	40.55"	38.19"	38.19"	38.19"
Effective compression height*	31.50"	27.56"	27.56"	27.56"
Dimension (W x D x H)	28.15×19.69×66.14"	32.28×24.41×74.02"	32.28×24.41×74.02"	32.28×24.41×74.02"
Weight	507.06lb	771.62lb	771.62lb	771.62lb
Power supply	AC 110V, 60Hz, 0.4kW~1kW			

*Can be customized according to test requirements

SPECIFICATION

Part No.	UTM-E100-U	UTM-E200-U	UTM-E300-U	UTM-E600-U
Max. test force	100kN	200kN	300kN	600kN
Accuracy class	0.5 class			
Accuracy of test force	±0.5% of indicated value			
Range of test force	0.2%~100%FS			
Resolution of test force	1/500000FS			
Crossbeam displacement accuracy	±0.5% of indicated value			
Crossbeam displacement resolution	.99μin			
Range of speed adjustment	39.37μin~19.68in/min			39.37μin~9.84in/min
Accuracy of crossbeam speed	±1% of the set value, (speed<.02in/min) ±0.2% of the set value, (speed≥.02in/min)			
Range of force control speed	0.005~5%FS/s			
Accuracy of constant load force	±2% of the set value, (speed<0.05%FS/s) ±0.5% of the set value, (speed≥0.05%FS/s)			
Compression fixture	6.30" DIA	5.91" DIA	5.91" DIA	7.87" DIA
Wedge tension fixture	flat jaw: 0~.79" V-jaw: .31~1.02" DIA	flat jaw: 0~1.18" V-jaw: .31~1.42" DIA	flat jaw: 0~1.18" V-jaw: .31~1.42" DIA	flat jaw: 0~1.18" V-jaw: .31~1.81" DIA
Effective test width*	23.62"	23.62"	23.62"	29.53"
Vertical test space*	49.21"	39.37"	39.37"	43.31"
Effective compression height*	27.56"	23.62"	23.62"	25.59"
Dimension (W x D x H)	42.13×33.66×85.83"	42.13×36.22×100.39"	42.13×36.22×100.39"	44.88×62.20×117.32"
Weight	2204.62lb	3306.93lb	3306.93lb	11023.11lb
Power supply	AC480V, 3Ø, 60Hz, 2kW~5kW			

*Can be customized according to test requirements

SPECIFICATION OF LARGE DEFORMATION EXTENSOMETER (OPTIONAL)

Part No.	UTM-EY1	UTM-EY2
Range of deformation	.39~31.50"	
Accuracy of deformation	±1%	
Resolution of deformation	393.70μin	157.48μin
Type of blade	flat blade	
Range of clamp	thicknesses<.39", width<1.18"	



large deformation extensometer
(optional)

STANDARD DELIVERY

Main unit	1 pc
Control box	1 pc
Measuring software	1 pc
Computer	1 pc
Printer	1 pc
Compression fixture	1 set
Wedge tension fixture	1 set

OPTIONAL ACCESSORY

Fixture	UTM-F series (customized, selection of specifications according to test requirements)
Extensometer	UTM-EX series (customizable)
Video extensometer	UTM-M series
Large deformation extensometer	UTM-EY series (customizable)
Security door	customized, available in plexiglass or wire mesh