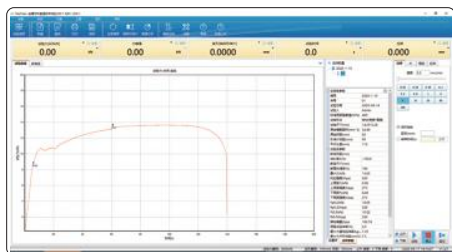


ELECTRO-HYDRAULIC SERVO UNIVERSAL TESTING MACHINES



CUSTOMIZABLE



computer and software (included)



- For testing and researching the mechanical properties such as tension, compression, bending, shear
- With full digital closed-loop control system, realizing three-closed-loop control of force, displacement and deformation, with freely combinable control modes
- The main frame worktable, crossbeam and lead screws are all made of high-quality carbon steel with excellent structural stiffness

UTM-HS1000-U

SPECIFICATION

Part No.		UTM-HS300-U	UTM-HS600-U	UTM-HS1000-U	UTM-HS2000-U	UTM-HS3000-U
Max. test force		300kN	600kN	1000kN	2000kN	3000kN
Accuracy class		0.5 class				
Accuracy of test force		±0.5%				
Range of test force		2%~100%FS				
Resolution of test force		1/300000FS				
Deformation measurement device		extensometer				
Range of deformation		1%~100%FS				
Accuracy of deformation		±0.5%				
Resolution of deformation		1/300000FS				
Accuracy of displacement		±0.5%				
Resolution of displacement		.000394"				
Range of displacement		9.84"				
Range of piston speed adjustment		.000394~3.94in/min			.000394~1.97in/min	
Maximum tensile space (including piston stroke)		31.50"	32.28"	33.46"	35.43"	47.24"
Maximum compression Space (including piston stroke)		27.56"	28.35"	28.35"	29.53"	43.31"
Effective test width		20.28"	20.87"	24.80"	28.74"	33.86"
Safety protection device		software protection and mechanical limit protection				
Tensile fixture	clamping range of flat jaw*	.0787~.787"	.394~1.18"	.354~1.57"	.394~2.76"	.394~3.54"
	clamping range of V-jaw*	.36~1.02" DIA	.60~1.57" DIA	.83~2.17" DIA	.60~3.15" DIA	.99~3.15" DIA
Compression fixture*		7.40" DIA	7.40" DIA	8.19" DIA	8.19" DIA	11.02" DIA
Power supply		AC 480V, 3Ø 60Hz, 2.5kW	AC 480V, 3Ø 60Hz, 3.0kW	AC 480V, 3Ø 60Hz, 3.0kW	AC 480V, 3Ø 60Hz, 3.75kW	AC 480V, 3Ø 60Hz, 5.5kW
Dimension (L×W×H)	host	35.8×29.1×89.0"	37.8×30.7×94.5"	44.1×35.4×107.7"	51.9×44.2×126.8"	70.9×45.7×155.5"
	oil source	36.61×28.54×71.85"				
Net weight	host	5732.02lb	6393.41lb	10141.26lb	17636.98lb	27778.25lb
	oil source	771.62lb				

*Can be customized according to test requirements

STANDARD DELIVERY

Main unit	1 pc
Oil source	1 pc
Control box	1 pc
Measuring software	1 set
Extensometer (UTM-EX50-10)	1 pc
Tensile fixture	1 set
Compression fixture	1 set
Safety guard	1 set
Computer	1 pc
Printer	1 pc

OPTIONAL ACCESSORY

Extensometer	UTM-EX series (customizable)
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