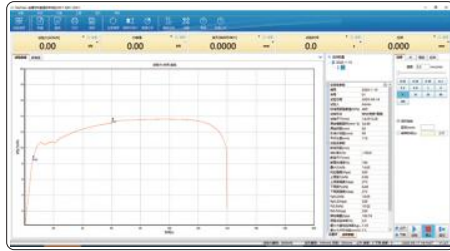


ELECTRO-HYDRAULIC SERVO UNIVERSAL TESTING MACHINES



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

SPECIFICATION

Code	UTM-HS300	UTM-HS600	UTM-HS1000	UTM-HS2000	UTM-HS3000	
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	1/3000000FS					
Deformation measurement device	extensometer					
Range of deformation	1%~100%FS					
Accuracy of deformation	±0.5%					
Resolution of deformation	1/3000000FS					
Accuracy of displacement	±0.5%					
Resolution of displacement	0.01mm					
Range of displacement	250mm					
Range of piston speed adjustment	0.01~100mm/min			0.01~50mm/min		
Maximum tensile space (including piston stroke)	800mm	820mm	850mm	900mm	1200mm	
Maximum compression Space (including piston stroke)	700mm	720mm	720mm	750mm	1100mm	
Effective test width	515mm	530mm	630mm	730mm	860mm	
Safety protection device	software protection and mechanical limit protection					
Tensile fixture	clamping range of flat jaw*	2~20mm	10~30mm	9~40mm	10~70mm	10~90mm
	clamping range of V-jaw*	Ø9~Ø26mm	Ø15~Ø40mm	Ø21~Ø55mm	Ø15~Ø80mm	Ø25~Ø80mm
Compression fixture*	Ø188mm	Ø188mm	Ø208mm	Ø208mm	Ø280mm	
Power supply	AC 380V, 50Hz 2.5kW	AC 380V, 50Hz 3.0kW	AC 380V, 50Hz 3.0kW	AC 380V, 50Hz 3.75kW	AC 380V, 50Hz 5.5kW	
Dimension (L×W×H)	host	910×740×2260mm	960×780×2400mm	1120×900×2735mm	1317×1124×3220mm	1800×1160×3950mm
	oil source	930×725×1825mm				
Net weight	host	2600kg	2900kg	4600kg	8000kg	12600kg
	oil source	350kg				

*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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