

# HYDRAULIC UNIVERSAL TESTING MACHINES



UTM-H300B

- For tensile, compression, bend, shear tests of metal and non-metal materials



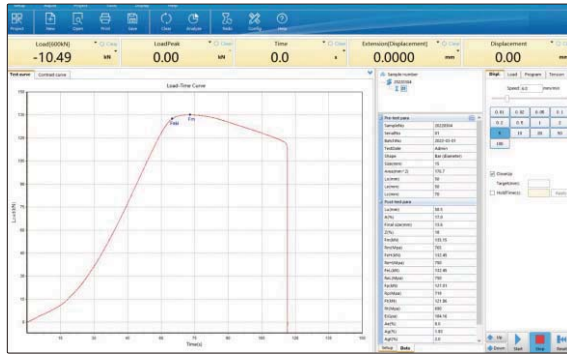
## SPECIFICATION

Code	UTM-H300B	UTM-H600B	UTM-H1000B	UTM-H2000B	UTM-H3000B	
Max. test force	300kN	600kN	1000kN	2000kN	3000kN	
Accuracy	±1%					
Test force measurement range	2%~100%FS					
Resolution of test force measurement	1/300000 of Max. test force (same resolution all the way)					
Deformation measurement device	extensoment					
Deformation measurement range	1%~100%FS					
Deformation measurement accuracy	±1%					
Deformation measurement resolution	1/300000					
Displacement accuracy	±1%					
Displacement resolution	0.01mm					
Displacement travel	200mm					
Max tensile space (including piston stroke)	600mm	600mm	680mm	600mm	900mm	
Max compression space (including piston stroke)	500mm	500mm	560mm	500mm	800mm	
Transmission mode	chain drive					
Safety protection device	software protection and mechanical limit protection					
Control function	special software, closed-loop of stress, strain and velocity					
Clamping range of round sample	Ø10~32mm	Ø13~40mm	Ø13~60mm	Ø20~70mm	Ø25~80mm	
Clamping range of flat sample	0~15mm	0~15mm*	0~20mm**	0~40mm	0~80mm	
Upper and lower pressure plate size	Ø188mm	Ø188mm	Ø208mm	Ø208mm	Ø208mm	
Bending branch roll width	140mm					
Total power	2.5kW	3.0kW	3.0kW	3.75kW	5.5kW	
Power supply	380V, 50Hz					
Demension (mm)	host	800×620×1900	820×650×2000	940×780×2250	1100×760×3000	1250×930×3550
	oil source	1140×600×855				
Weight	2T	2.2T	3T	7.5T	12.6T	

\* Customizable 0~30mm

\*\* Customizable 0~40mm

computer and software (included)



### STANDARD DELIVERY

Main unit	1 pc
Electro hydraulic servo oil source	1 pc
Electro hydraulic servo valve	1 pc
High pressure oil pump	1 pc
Oil pressure sensor	1 pc
Control box	1 pc
Extensometer	1 pc
Computer	1 pc
Measuring software	1 set
Printer	1 pc
Tensile fixture	1 set
Compression fixture	1 set



acrylic safety shield (optional)



steel wire safety shield (optional)

### OPTIONAL ACCESSORY

Acrylic safety shield	UTM-H-COVER1
Steel wire safety shield	UTM-H-COVER2