



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	extensometer				
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				
Dimension (mm)	Host	800×620×1900	820×650×2000	940×780×2250	1100×760×3000
	Oil source	1140×600×855			
Weight	2T	2.2T	3T	7.5T	12.6T

* Customizable 0~30mm

** Customizable 0~40mm

To be continued