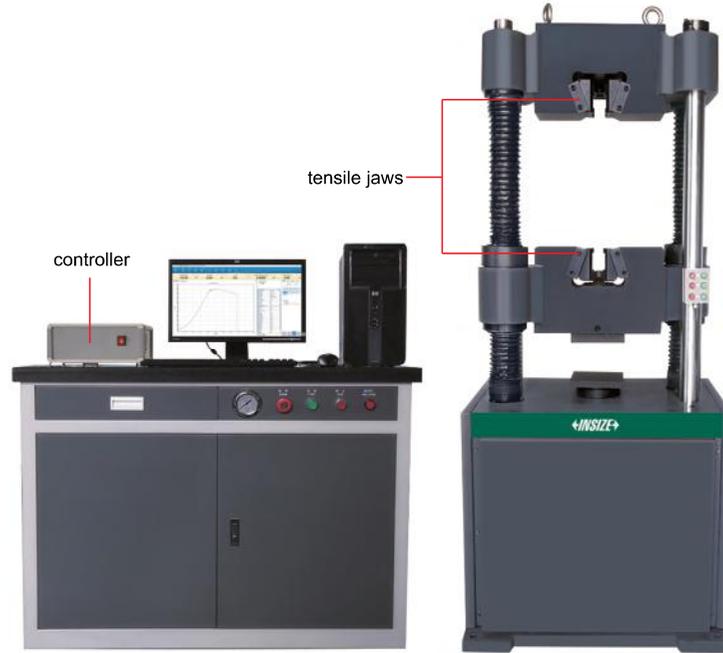


# HYDRAULIC UNIVERSAL TESTING MACHINES



UTM-H300B-U



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

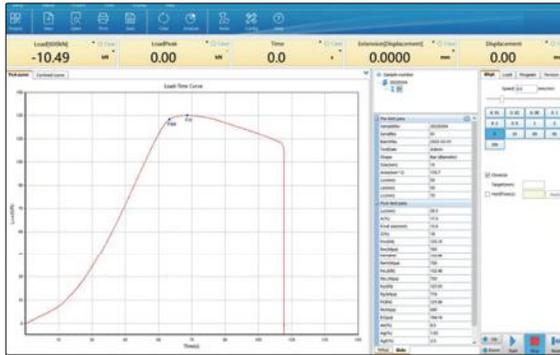
## SPECIFICATION

Part No.	UTM-H300B-U	UTM-H600B-U	UTM-H1000B-U	UTM-H2000B-U	UTM-H3000B-U	
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	393.70μm					
Displacement travel	7.87"					
Max tensile space (including piston stroke)	23.62"	23.62"	26.77"	23.62"	35.43"	
Max compression space (including piston stroke)	19.69"	19.69"	22.05"	19.69"	31.50"	
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	.39~1.26"DIA	.51~1.57"DIA	.51~2.36"DIA	.79~2.76"DIA	.98~3.15"DIA	
Clamping range of flat sample	0~.59"	0~.59"*	0~.79"**	0~1.57"	0~3.15"	
Upper and lower pressure plate size	7.40"DIA	7.40"DIA	8.19"DIA	8.19"DIA	8.19"DIA	
Bending branch roll width	5.51"					
Total power	2.5kW	3.0kW	3.0kW	3.75kW	5.5kW	
Power supply	AC480V, 3Ø, 60Hz					
Dimension	host	31.50×24.41×74.80"	32.28×25.59×78.74"	37.01×30.71×88.58"	43.31×29.92×118.11"	49.21×36.61×139.76"
	oil source	44.88×23.62×33.66"				
Weight	2.21T	2.43T	3.31T	8.27T	13.89T	

\* Customizable 0~1.18"

\*\* Customizable 0~1.57"

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