

Hydraulic Universal Testing Machine



UH 5130/5160/51100

UH 5230/5260/52100

UH 5330/5360/53100/53200

- ⊙ This machine adopts oil cylinder on bottom type structure, hydraulic load, hydraulic clamping specimen.
- ⊙ Oil Clearance sealing instead of O-ring sealing. Keep the cylinder loading stable and maintenance-free.
- ⊙ Manually hydraulic valves loading control, give the high efficiency of common test.
- ⊙ Load Capacity from 300KN to 2000KN.
- ⊙ UH51xxx series Dial Dynamometer value indicating with Mechanical Load-Displacement Curve device.
- ⊙ UH52xxx series Digital indicator value indicating with of LCD digital load-displacement curve.
- ⊙ UH53xxx series Computer indicating and analyzing value result with monitor all kinds of Curve of load, displacement and deformation.

Computer analyzing software for UH 53xxx series

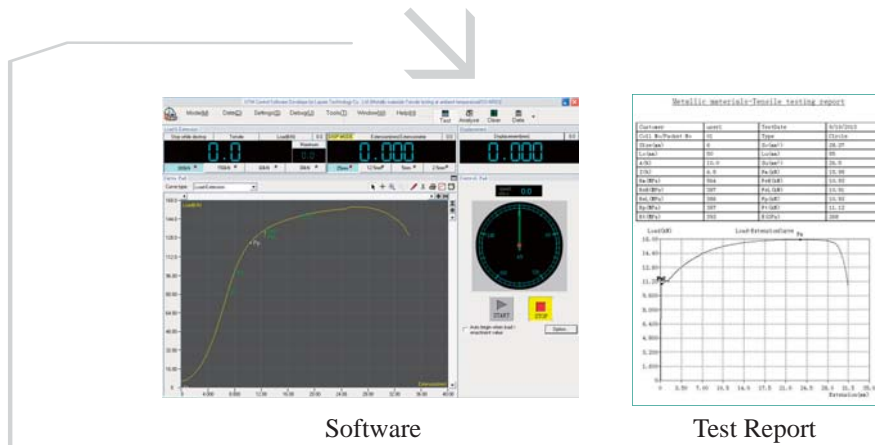
Control software runs on Windows98/2000 /XP/Win7, Standard or Excel test report out put. Report format can be edition by user

Real-time record and dynamic display test curve show in Load, Displacement, Extension, Stress, Strain and time. And the curve can be changed even in testing procession

Software can automatically analyze testing data, such as tensile strength, yield strength, modulus of elasticity, extend rate after rupture, non-proportional extend strength RP0.2, etc.

Adopts standard database to manage test data and support batch test.

Customer can define add test methods and rules for his need.



Software

Test Report

Specification

Model	UH5130	UH5230	UH5330	UH5160	UH5260	UH5360	UH51100	UH52100	UH53100	UH53200
Measuring range of force(kN)		6-300kN			12-600kN			20-1000kN		40-2000kN
Accuracy	±1% of indicated value									
Subsection of force	1,2,5 for Dial type or No grade by Digital and Computer									
Tracing plate speed	0.4r/min, 0.8r/min, 2r/min for Dial type									
Clamping diameter for round specimen(mm)	Ø10-32			Ø14-40			Ø14-60			Ø20-70
Clamping width of flat specimen	70 mm			75 mm			80 mm			110mm
Clamping thickness of flat specimen(mm)	0-15			0-30			0-40			0-60
Testing space	Tension	620mm		650mm			650mm			900mm
	Compression	550mm		550mm			550mm			700mm
Compression platen size(mm)	Ø120			□170×170			□200×200			□200×200
Distance of bending by pass roll(mm)	60-320			100-450			100-450			100-500
Piston stroke	200mm									
Power supply	380/220v±10%, 50/60Hz, 3 phase									
Working environment	Room temperature 10℃ ~ 30℃ ,relative humidity≤80%									
Overall dimension(mm)	Host machine	800×500×1950		950×630×2265			980×650×2450			980×650×2450
	Dynamometer	1070×810×1730		1070×810×1730			1070×810×1730			1070×810×1730
Weight(Kg)	2700	2000	2100	3200	2500	2700	4100	3300	3500	7000

Accessories

Description	UH51xxx Series	UH52xxx Series	UH53xxx Series
Standard accessories	Tension Test Accessories, Compression Test Accessories, Bending Test Accessories, A, B, C Weights, coordinate paper, Dial Dynamometer	Digital Indicator, Hydraulic Pressure Sensor, Tension Test Accessories, Compression Test Accessories, Bending Test Accessories,	PC, Printer Extensometer, Displacement Encoder Hydraulic Pressure Sensor, Tension Test Accessories, Compression Test Accessories, 3-Points Bending Test Accessories
Optional accessories	Shearing Test Accessories photoelectric encoder, Extensometer, PC interface and Software	Shearing Test Accessories, photoelectric encoder, Extensometer, PC interface and Software	Shearing Test Accessories, Others according to order