

ELECTRO-HYDRAULIC UNIVERSAL TESTING MACHINE WES SERIES

STANDARD: ISO 6892-1, ISO 7500-1

The electro-hydraulic servo universal testing machine WES series adopts hydraulic power as driving system, electro-hydraulic servo control, computer data acquisition and processing, which can realize closed-loop control and automatic detection. It satisfies the standard test of mechanical properties of metals, nonmetallic test regulations, the test is according to other standards of different materials or products, such as tensile, compression, bending, shear type test, can calculate the tensile strength, yield strength and extension strength, modulus of elasticity and other performance indicators of measured material. It can achieve closed-loop control such as equal rate loading, equal rate deformation, equal rate displacement, equal rate strain, etc.

The testing machine can be equipped with other fixtures to complete more tests. For example, equipped with bolt fixture to perform bolt tension and load retention, equipped with bending fixture to perform bar or plate bending tests, equipped with shear fixture to perform bar shear strength tests, and the bending, shearing, splitting, and elastic modulus instruments can be added to the compression space to perform concrete and cement sample tests. In addition, the steel ball, anchor chain, fastener and other fixtures can be equipped to complete various tests.



SINCE 2006

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TECHNICAL SPECIFICATIONS

Model	WES-100B	WES-300B	WES-600B	WES-1000B	WES-1500B	WES-2000B
Max load capacity	100kN	300 kN	600kN	1000kN	1500kN	2000kN
Load measurement range	10-100%					
Accuracy class	0.5	1				
Resolution	0.01kN					
Maximum tensile/compression space	Tensile ≤650mm		Tensile ≤700mm			Tensile ≤800mm
	Compression ≤550mm		Compression ≤600mm			Compression ≤650mm
Thickness of flat specimen	0-15mm			0-40mm		0-50mm
Diameter of round specimen	6-20mm	10-32mm	13-32mm	13-40mm	16-50mm	20-70mm
Cylinder diameter	80mm	125mm	170mm	220mm	290mm	300mm
Piston stroke	200mm					250mm
Compression plate size	Φ 148mm		Φ 225mm		Φ 220mm	Φ 250mm
Lifting speed of middle beam (mm/min)	≤300mm/min				≤240mm/min	≤300mm/min
Power supply	AC380V ±10V/50Hz					
Total power	1.5kW	2.5kW (Oil pump motor 1.5kW)			2.2kW	3kW
	(Oil pump motor 0.75kW)					
Host dimensions	610 × 520 × 1650mm	710 × 610 × 1900mm	750 × 645 × 2020mm	800 × 745 × 2150mm	1150 × 1000 × 2750mm	1200 × 1050 × 2923mm
Control console dimensions	1100 × 630 × 940mm					
Host weight	1200kg	1400kg	1800kg	2350kg	4800kg	6800kg