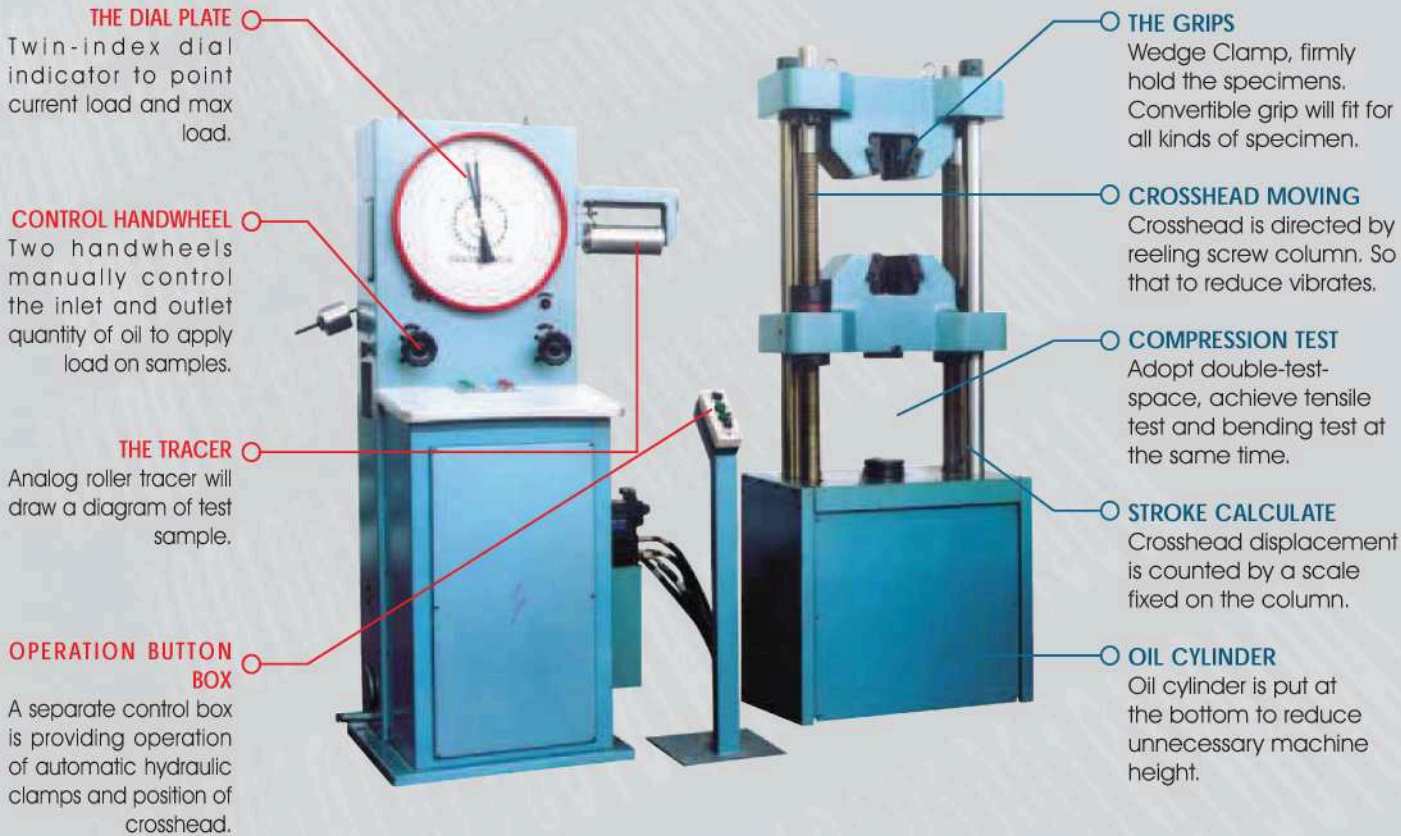


# WE-Series Analog Dial Display Hydraulic Universal Testing Machine

## Features:

WE Series Hydraulic Universal testing machine is adopting oil hydraulic power (as WAW & WEW series) to push the piston in the oil cylinder to provide loading force on samples. It adopts analog dial dynamometer to display the test results. The loading force is displayed on the dial platen and the liner scale will indicate the stroke. The roller tracer equipping with machine dynamometer, and it is suitable to draw an analogical test curve on a coordinates paper. The machine have been adopting in many fields like construction area, inspection area, teaching area and so on.



## WE-300D



WE-50/100



WE-300/600



WE-1000D



WE-1000C

## Main Technical Specifications:

Specification	WE-50	E-100	WE-100C	WE-300/300A	WE-300C	WE-300D	WE-600/600A	WE-600C	WE-600B	WE-1000A	WE-1000C	WE-1000D	WE-2000A	
Max. load (kN)	50	100	300	600	1000	2000	4000	6000	10000	15000	20000	30000	40000	
Range and min scale	0-10kN/0.02kN/grid 0-25kN/0.05kN/grid 0-50kN/0.1kN/grid	0-20kN/0.04kN/grid 0-50kN/0.1kN/grid 0-100kN/0.2kN/grid	0-60kN/0.2kN/grid 0-150kN/0.5kN/grid 0-300kN/1.0kN/grid	0-120kN/0.5kN/grid 0-300kN/1.0kN/grid 0-600kN/2.0kN/grid	0-200kN/0.5kN/grid 0-500kN/1.0kN/grid 0-1000kN/2kN/grid	0-500kN/1kN/grid 0-1000kN/2kN/grid 0-2000kN/4kN/grid	0-1000kN/2kN/grid 0-2000kN/4kN/grid 0-4000kN/8kN/grid	0-2000kN/4kN/grid 0-5000kN/10kN/grid 0-10000kN/20kN/grid	0-5000kN/10kN/grid 0-10000kN/20kN/grid 0-20000kN/40kN/grid	0-10000kN/20kN/grid 0-20000kN/40kN/grid 0-40000kN/80kN/grid	0-15000kN/30kN/grid 0-30000kN/60kN/grid 0-60000kN/120kN/grid	0-20000kN/40kN/grid 0-40000kN/80kN/grid 0-80000kN/160kN/grid	0-30000kN/60kN/grid 0-60000kN/120kN/grid 0-120000kN/240kN/grid	0-40000kN/80kN/grid 0-80000kN/160kN/grid 0-160000kN/320kN/grid
Accuracy of test load	< ±1%													
Griped dia. of round specimen (mm)	Φ3-Φ14	Φ6-Φ22	Φ10-Φ32	Φ10-Φ32	Φ10-Φ32	Φ10-Φ32	Φ13-Φ40	Φ13-Φ40	Φ13-Φ40	Φ13-Φ40	Φ12-Φ60	Φ13-Φ60	Φ15-Φ70	
Griped Thickness of flat specimen (mm)	0-15	0-15	0-15	0-15	0-15	0-15	0-30	0-30	0-30	0-40	0-55	0-40	0-50	
Max distance between grips (include piston stroke) (mm)	600	600	600	600	600	600	600	600	600	780	600	600	850	
Space for compression (mm)	0-355	0-500	0-300	0-550	0-500	0-500	0-300	0-550	0-450	0-650	0-540	0-470	0-720	
Dimension of dynamometer (mm)	1050X770X1775													
Dimension of mainframe (include piston stroke) (mm)	610X700X2750	760X550X2040	1250X550X2997	900X600X2350	740X580X2145	1255X560X3290	1100X1200X2633	890X580X2206	1255X860X4000	1320X800X3070	1100X900X2510	1510X1040X4770		
Power of motor (kw)	2	2	2.1	2.3	2	2.1	2.6	2.1	2.1	2.1	4.5	2.5	7	
Weight (kg)	1250	1500	2200	2300	1500	2900	3000	2500	5000	5000	6800	5000	10400	
Test space (mm)	Tension	395	590	530	465	580	650	515	675	760	565	900		
	Compression	255	380	380	70	370	80	80	490	70	125	690		
Max griped width of flat specimen (mm)	70	70	70	70	70	80	80	80	125	70	125	140		
Dimension of compression plates (mm)	Φ125	Φ125	Φ120	Φ130	Φ120	204X204	Φ120	204X204	204X204	Φ160	204X204	204X204	204X204	
Span of bending support (mm)	600	350	1000	350	350	1000	600	600	1000	800	800	800		
Length of the bending roller (mm)	100	100	140	140	140	140	140	140	140	140	140	140		
Max bending flexibility (mm)	80	80	100	100	100	100	100	100	100	150	150	150		
Dimension of specimen for shearing (special order) (mm)	10	10	10	10	10	10	10	10	10	70	70	70	65	
Speed of piston (mm/min)	240	240	70	70	70	70	70	70	70	150	150	150	150	
Speed of crosshead (mm/min)	200	200	150	120	160	150	200	150	150	150	150	150	150	
Displacement measuring	Ruler													
Crosshead adjust structure (means of Transmission)	Common motor worm gear drive	Disc motor worm gear drive	Common motor worm gear drive	Disc motor worm gear drive	Motor retarder chain drive	Common motor worm gear drive	Disc motor worm gear drive	Motor retarder chain drive	Common motor worm gear drive	Disc motor worm gear drive	Motor retarder chain drive	Common motor worm gear drive	Common motor worm gear drive	
Safety protection	Limit switch													
Mechanical overload protection rate	2%-5%													



# Test Accessory

## For Hydraulic Universal Testing Machine



Round Compression Plate



Square Compression Plate



Concrete test attachment



Tension Socket and Tension Ring



Gripping type Tension Socket



4-Points flexure test attachment



Round Grips



Seats for Tension Grips



Load proving ring



Steel Wire Tension Grips



Steel Wire Tension Grips Holder



Hydraulic inlet / outlet valve



Bending Head for Cold Bending Test  
(different specification)



Bending Test Support



Oil cylinder dust proof cover