



PLS Series Dynamic and Static Electro- Hydraulic Servo Testing Machine

Applications:

PLS series dynamic and static Electro-hydraulic servo testing machine is produced according to the dynamic servo test technology, and utilizes the design methods of unitization, standardization and modularization, which enhance the stability and reliability of the system. The machine is mainly used for the dynamic and static mechanics performance tests to material and parts, equipped with corresponding accessories, it can do tensile, compression, low cycle and high cycle, crack growth tests and other mechanics tests for various kinds of materials, and it widely used in the fields of aviation and aerospace, ship-making and military industries.

Testing Standard: ISO7500-1;



Model		PLS-20	PLS-50	PLS-100	PLS-250	PLS-500	PLS-1000
Max. load (KN)		20	50	100	250	500	1000
Measuring accuracy	Load	$\leq \pm 0.5/1$ from 2%-100% of F. S.					
	Displacement	$\leq \pm 0.5/1$ of F. S.					
	Deformation	$\leq \pm 0.5/1$					
Frequency (Hz)		0.05-50				0.05-30	
Amplitude (mm)		± 75					
Load frame		Dual columns with actuator on the top or the bottom.				Four columns with the actuator on the bottom	
Diameter of piston (mm)		$\phi 63$	$\phi 105$	$\phi 180$	$\phi 250$	$\phi 300$	
Space between columns(mm)		500	600	715	840x500	930x590	
Test space(mm)		650	750	1200	1500	1500	
Dimensions(mm)		850x590 x2580	900x620 x2620	1030x747x 3127	1200x1230 x3127	1280x1235 x3940	
Weight(kg)		1100	1400	2100	3600	3900	
Specimen clamping		Hydraulic					
Test space adjusted		Hydraulic clamping and crosshead moved by actuators					