

**Equipment name: Electro-hydraulic servo dynamic fatigue testing machine**

**Function use:**

It is mainly used to test the dynamic and static mechanical properties of various materials, parts, elastomers, shock absorbers and components. It can perform tensile, compression, bending, low-cycle and high-cycle fatigue, crack growth, fracture mechanics tests under sine wave, triangle wave, square wave, trapezoidal wave, and combined waveform. An environmental test device can also be configured to complete environmental simulation tests at different temperatures.

**Main Specifications:**

Test machine model	EH-9204 (9304)	EH-9504	EH-9105	EH-9205 (9255)	EH-9505
Maximum dynamic load (kN)	±20 (±30)	±50	±100	±200 (±250)	±500
Test frequency (Hz)	Low cycle fatigue 0.01~20, high cycle fatigue 0.01~50, customized 0.01~100				
Actuator stroke (mm)	±50、±75、±100、±150 And customized				
Test loading waveform	Sine wave, triangle wave, square wave, ramp wave, trapezoidal wave, combination custom waveform, etc.				
Measurement accuracy	Load	Better than the indicated value ±1%, ±0.5% (static); better than the indicated value ±2% (dynamic)			
	Deformation	Better than the indicated value ±1%, ±0.5% (static); better than the indicated value ±2% (dynamic)			
	Displacement	Better than the indicated value ±1%, ±0.5%			
Test parameter measurement range	1~100%FS (full scale), can be extended to 0.4~100%FS			2~100%FS (full scale)	

Test space (mm)	50~580	50~850
Test width (mm)	500	600
Oil source configuration (21Mpa motor power)	20L/min (7.50kW) , 40L/min (15.0 kW) , 60L/min (22.0 kW) , 100L/min (37.0 kW) Displacement oil sources can work in combination according to requirements, and pressures of 14, 21, 25 Mpa can be selected	
Remarks: The company reserves the right to upgrade the instrument. After the update, no notice will be given. Please ask for details when inquiring.		





