

## Equipment name: Electronic dynamic fatigue testing machine

### Function use:

This machine is suitable for testing the dynamic and static mechanical properties of various metal, non-metal, composite materials and lithium battery core poles. It can perform tensile, compression, bending, dynamic and static stiffness and low-cycle fatigue tests under sine wave, triangle wave, square wave, trapezoidal wave, random wave, and combined waveform.

### Main Specifications:

Test machine model	EH-6103	EH-6303 EH-6503	EH-6104	EH-6204 EH-6304	EH-6504
Maximum test force	±1000N 以下	±3000N ±5000N	±10KN	±20KN ±30KN	±50KN
Test frequency	0.01~20Hz				
Fatigue life times	0~10 <sup>8</sup> Set any times				
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 $\pm 1\%$ , $\pm 0.5\%$		
Test parameter measurement range	1~100%FS (full scale), can be extended to 0.4~100%FS		
Test width (mm)	400mm	500mm	
Test space (mm)	$\cong 500\text{mm}$ (Without fixture)	$\cong 600\text{mm}$ (Without fixture)	
Motor Power	1.0kW	2.0kW	5.0kW
Remarks: The company reserves the right to upgrade the instrument. After the update, no notice will be given. Please ask for details when inquiring.			

