

ELECTRONIC DYNAMIC FATIGUE TESTING MACHINE

A fatigue testing machine is often used to determine how a material will perform over time and repeated use

KEY FEATURES:

- ☞ One control channel, with load displacement deformation three close loop control, these three-control types smoothly switch.
- ☞ Max close loop data flash frequency is 6Khz.
- ☞ Controller A/D, D/A resolution is 16 bit, signal generate frequency is 0.001Hz~50Hz.
- ☞ Signals generate waveforms including sine waves, triangular waves, square waves, sawtooth waves etc.
- ☞ Two levels o servo valve driving units are used to drive the servo valve, the remote hydraulic pump is used to drive the servo voltage, and the remote hydraulic pis ump used to remove the hydraulic pump station.



HSMLE offers the HUTDS series Electronic Dynamic Universal Testing Machine/ Cyclic Testing Equipment widely used for material and components, parts dynamic mechanical property test, including tension, compression, low cycling test, match with high-low temperature chamber can execute the temperature test.

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These are used to determine the impact ductility of non-metallic materials, such as Rigid thermoplastic and thermosetting plastic, thermosetting plastic and thermoplastic after fiber reinforced. It is widely used in the industries of plastic products, plastic manufacture, Petrochemical etc, Universities, scientific research institute and commodity inspection departments.

STANDARD: -

Comply with different standards such as ASTM F2606, ASTM F2516, ASTM F2267, ASTM F384, EN 397 etc

TECHNICAL SPECIFICATIONS: -

MODEL	HUTDS-10
Max. static load	±10KN Accuracy ±1%
Max. dynamic load	±1kN
Dynamic fluctuation	Less than ±1%FS
Actuator max. stroke	±100mm
Frequency	0.01~15Hz
Control mode	Load, displacement, deformation
Main test waveform	sine wave, triangular wave, square wave, sawtooth wave etc.,
Max. test space	550mm (including test fixture)
Test width	430mm
Dimensions	785*620*1650mm
Standard Power	220/110V, 50/60HZ, 1 phase
Working system	MS Win7 / Win10

STANDARD ACCESSORIES	
o High Stiffness Frame	1 set
o Servo linear actuator	1 set
o Servo driver	1 set
o Loadcell:	1 set
o LVDT (liner displacement sensor)	1 set
o Test fixture (quote and design according to details test sample).	1 set
o Fully digital servo controller	1 set
o Professional testing software	1 set
o Computer	1 set
o Printer	1 set
o Documents (Manual, packing list, certificate)	

*Due to continues product development, specifications and images are subject to change