



ELECTRONIC DYNAMIC FATIGUE TESTING MACHINE

Fatigue testing equipment is often used to determine how a material will perform over time and repeated use.

BANBROS offer the **BUTDS** series Electronic Dynamic Universal Testing Machine/ Cyclic Testing Equipment widely used at material and components, parts dynamic mechanical property test, include tension, compression, low cycling test, match with high-low temperature chamber can execute the temperature test.

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



KEY FEATURE: -

- One control channel, with load, displacement, deformation three close-loop control, these three- control type 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.
- Signal generate waveform include sine wave, triangular wave, quare wave, sawtooth wave etc.
- Two levels servo valve driving unit used to drive the servo valve, remote hydraulic pump used to remote control the hydraulic pump station.



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**STANDARD: -**

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

TECHNICAL SPECIFICATIONS: -

MODEL	BUTDS-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, quare wave, sawtooth wave etc.,
Max. test space	550mm (include test fixture)
Test width	430mm
Dimensions	785*620*1650mm
Standard Power	220/110V, 50/60HZ, 1 phase
Working system	MS Win7 / Win10

Due to continues product development, specifications and image are subject to change*STANDARD ACCESSORIES**

o High Stiffness Frame	1 set
o Servo liner 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 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)	