

Product Name :
Automatic Electro Hydraulic Shear Testing Machine

Product Code :
CHINAELABC3760005



Description :

Automatic Electro Hydraulic Shear Testing Machine

Technical Specification :

This product is integrated with a multi-channel coordinative digital load control system, enabling controlling methods including constant deformation speed, constant loading speed and etc., meanwhile switches smoothly in between. The system retrieves testing data automatically, and then processes the data under regulations and standards.

It takes no human resources to read deformation data, requiring only one operator to perform the whole test. Assistance is required to install specimen or perform rotation tests.

The measuring and controlling unit is developed by our own engineers, integrated with the leading high-performance Controller, which is usually equipped on high-end material testing machines, and the pioneered modular Test Live computer testing software ensuring the reliability and precision of the system.

After years of application and refinement, our system features matured technologies, reliable operations and powerful functionalities.

The test data of load, displacement and deformation are automatically retrieved, processed and stored meanwhile displaying real-time testing curves.

Test reports can be printed under related standards.

This product adopts a four-column structure as its main frame, featuring a stable, high-stiffness structure, as well as long-term stability, convenient operations, reliability and safety.

Capacity: 20000kN

Load measurement range: 0.4%100%

Load measurement accuracy: 1%

Load resolution: 1/500000 of Max capacity, no stepping, no change in full scale
Piston displacement measurement accuracy: 0.5%
Piston speed adjustment range: 0.140mm/min
Piston travel of vertical cylinder: 300mm
Horizontal shear capacity: 3000kN
Horizontal piston travel: 300mm
Rotation lifting capacity: 2000kN
Upper/lower compression platen distance: 1800mm(or customized)
Compression platen dimensions: 1200mm1200mm
Axial deformation measurement range: 050mm
Lateral deformation measurement range: 015mm
Horizontal shear deformation measurement range: 0300mm
Frame dimensions: 600025006600mm3
Hydraulic system dimensions: 150015501400mm3
Power supply: 41kW/AC380V/50Hz



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