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The YAW series of computer controlled automatic compression testing machine



Product Details:

Place of Origin	China (Mainland)
Model Number	YAW-1000 ,YAW-2000, YAW-3000
Power	Hydraulic
Usage	Compression Testing Machine
sample	concrete, brick, cement
adjust space type	moto drive
sensor	load cell

Payment & Shipping Terms:

FOB Price:	
Minimum Order Quantity:	1 Set/Sets
Port:	SHANGHAI
Packaging Details:	wooden case with polyfoam inside
Delivery Time:	after 30 days payment
Payment Terms:	L/C,T/T
Supply Ability:	15 Set/Sets per Month

Detailed Product Description

Capacity: 1000kN, 2000kN, 3000kN

Computer-control

Concrete compression test

Certification: ISO,CE

Application : The YAW series of computer controlled automatic compression testing machine is used for compression under its rated loading capability. It features a bottom-mounted hydraulic cylinder, electrically adjustable test space, applicable to fields including construction, construction materials, road, bridge, higher education, mining, quality control department, Metrology and etc. to perform compression tests on metal, non-metal, jack, rubber base, concrete, cement, high-strength concrete and other materials to inspect their mechanics performances.

This product comprises a mainframe, a servo hydraulic system, a servo controller and the computer system. The height of the compression space can be adjusted by electromechanically moving the cross beam. The upper compression platen is integrated with a spherical seat to align itself automatically. The hydraulic cylinder is integrated with the leading composite-sealing technology, featuring characteristics including low friction, no leaking, etc.

Hydraulic system is upgraded with a speed withdraw unit to promote testing efficiency.

The product is born with a refined structure that enables more steady loads and precise controls. It adopts the leading high-performance AEC-1000 Controller, which is usually equipped on high-end material testing machines. The mechanical components collaborate with the pioneered modular TestLive computer testing software to ensure the stability, precision and reliability of the whole system.

Software Features:

- 1 Support for multi-language user-interface extendibility, pre-installed with American English and Simplified Chinese.
- 2 Dynamic display of load, displacement, time and real-time testing curve on the screen.
- 3 Closed loop control of channels such as load, displacement, etc. Smooth switching in between.
- 4 Constant loading speed test supported.
- 5 Capable of holding on maximum load or displacement.
- 6 Support for compression tests on various metal or non-metal materials to inspect their mechanics performances.
- 7 Support saving, instant retrieving and inspection of testing results.
- 8 Capable of re-analyzing test data and curves, and partial zooming of testing curves at will.

- 9 Support Excel report templates and customized editing of test reports.
- 10 Integrated with travel limit protection and full scale overload protection.

Technical Specifications

Model	YAW-1000	YAW-2000	YAW-3000
Capacity (kN)	1000	2000	3000
accuracy class	1	1	1
Load measurement range	2%~100%	2%~100%	2%~100%
Piston speed adjustment Range	0.1~80mm/min	0.1~80mm/min	0.1~60mm/min
Piston travel (mm)	80	80	80
Compression platen distance (mm)	300	300	300
Distance between column (mm)	430	430	520
Power supply (kW) AC380v/50Hz	3	3	4
Frame dimensions (mm)	1000×500×2200	1000×500×2200	1060x500x2400
Hydraulic-power dimensions (mm)	1040x970x725	1040x970x725	1040x970x725
Weight (kg)	1400	1400	3100

Controller Technical Specifications

Load resolution	±1/500000 of Max capacity, without step division
Piston displacement measurement accuracy	±0.5%
Piston speed accuracy	±1%
Loading speed adjustment Range	0.05%~3%F.S./s
Loading speed accuracy	±1.0%(speed<0.1%F.S./s), ±0.5%(speed≥0.1%F.S./s)

Deformation testing part for concrete:



Computer controlled concrete compression testing machine