

YES-3000 Digital Display Concrete Hydraulic Compression Testing Machine



1. Uses:

The testing machine is used to test the compressive strength for cement, concrete and component, etc. It has a large testing space (800mm), which is suitable for large specimen compression test. It adjusts the testing space by electric motor which is stalled on the back of the upper crossbeam. It has large deformation measuring range, the piston stroke is 200mm.

2. Main technical specifications:

1. Maximum testing force: 3000kN
2. Range: 120-1000kN
3. Accuracy: $\pm 1\%$
4. Distance between upper and lower pressure plate: 800mm
5. Testing space width: 630mm
6. Upper pressure plate size: $\Phi 380$ mm
7. Lower pressure plate size: $\Phi 380$ mm
8. Piston travel: 200 mm
9. Power supply: 3-phase, 380V $\pm 10\%$, 50Hz
10. Working conditions: room temperature-30°C, relative humidity is less than 80%

11. Dimension: Host machine: 1115×740×2850(mm) Control box: 600×600×1165(mm)

12. Weight: host machine: 4850kg; control box: 200kg

3. Main configuration:

1 3000 kN, host machine, one set

2 High-precision pressure sensor

3 High-precision data acquisition system

4 Oil source

5 Hydraulic control valve

4. Main features:

4.1 host machine

1 Frame structure, compact and reliable.

2 Electronic adjust the testing space, easy and quick.

3 Electronic control in load and operate easily.

4 Limit device, ensure the test safety.

5 Automatic unloads if the load is more than 2% -10% of maximum value.

4.2 Digital display system

1 Advance data acquisition system, real-time display the testing force, testing force peak and so on.

2 Reserve the data interface can connect the web and share the data source.

Front of the YES-3000 Compression Testing Machine



Compression platen

Control cabinet, which include oil pump, servo valve, etc.

Crosshead

Oil cylinder, clearance seal

Back of the YES-3000 Compression Testing Machine



The top beam

Upper limit switch, when it touches the top beam, the testing machine will automatically stop.

Worm wear and worm wheel structure: an electric motor drives the crosshead to move up and down

Oil pressure sensor

Limit switches

