

## **Digital Display Hydraulic Compression Testing Machine**

- Model: YES-2000
- Display:: Digital
- Brand : SF
- Manufacturing Country : China
- Country Of origin : China

**Product introduction:** The testing machine is mainly used to measure the compressive strength of brick, stone, concrete and other building materials. It is a necessary test and detection equipment for construction, building materials, highway bridges and other engineering units. This machine is electric hydraulic manual loading, sensor force measurement. It has the functions of loading speed display, peak value maintenance, data storage, printing, query and compressive strength conversion.



**Hydraulic system :** The hydraulic oil in the oil tank enter the oil circuit through the motor drives the high-pressure pump, flows through the return oil valve, and into the oil cylinder. The force measuring instrument collects and analyzes the data through the sensor, showing the constant force value. The operator through the delivery valve to adjust the flow and control the test force rate.

### System of force measurement :

- Manually adjust the return valve, the operation is simple and flexible.
- Has the maximum load peak maintain function.
- Has loading rate dynamic display function.
- Has a random test report with test date, number, damage load, compression strength etc.

### ■ Safety protection

When the test force exceeds 3% of the maximum test force, overload protection will be implemented and the oil pump motor will stop.

### ■ Main technical specification:

**Max Load**

**2000kN**

| Host structure                                |   | Four-column structure |
|---|---|-----------------------|
| Measuring range                               |   | 10% - 90%             |
| Relative error of test force indicating value |   | Within $\pm 1\%$      |
| Distance between columns                      |   | 260mm                 |
| Distance between up and down pressure plates  |   | 320mm                 |
| Platen size                                   | Upper: $\varnothing 250\text{mm}$ Lower : 220 x 220mm |                       |
| Piston stroke                                 |   | 30mm                  |
| Piston action direction control               |   | one-way cylinder      |
| Power supply                                  |   | <b>220V 50Hz</b>      |
| Motor power                                   |   | 0.75 kW               |
| Package dimensions (About)                    |   | 1100 x 560x 1380mm    |
| Weight  |   | About 750kg           |



### ■ Factory standard configuration list

| Item                                  | Quantity | Notes                              |
|---------------------------------------|----------|------------------------------------|
| Testing machine                       | 1 set    | With motor, oil pump, return valve |
| Force measuring                       | 1 set    | On the mainframe and instrument    |
| Including a Micro Printer.            |          |                                    |
| Pressure sensor                       | 1 piece  |                                    |
| Up and down pressure plates           | 1 piece  |                                    |
| Instruction/certificate/packing list. | 1 set    |                                    |

### ■ Working Environment Conditions of Testing Machine

1. Ambient temperature range: 10°C–35°C, if have special requirements, the test temperature should be 23°C±5°C.
2. Placed on a solid foundation.
3. In a clean environment with no vibration.
4. No strong electromagnetic interference surrounding.
5. Power supply voltage fluctuation range should be not more than plus or minus 10%

Rahim Trading Corporation –RTC 'Supply, Testing & Commissioning of Compression Testy machine (CTM) for cylinder, brick, block, Automatic etc.

This Machine 2000KN Microcomputer Control Electro-Hydraulic Servo

Compression Testing Machine (CTM) Technical specification:

- ✓ Capacity:2000KN
- ✓ CompressionPlateSize:510x 320mm
- ✓ Max.Vertical Clearance Between Platen: 380mm
- ✓ Suitable for Compressive strength test of Brick,
- ✓ Block size 390mmX190mmX190mm
- ✓ Cube, Cylinder Size :150mm X 300mm & 100mm X 200mm

