

### 东莞中力仪器科技有公司 东莞中力仪器科技有公司

# Introduction

Name: ZL-8013 Full-automatic resist bending compression testing machine 300kN/10kN



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#### 东莞中力仪器科技有公司

## ZhongLi Instrument Technology Co., Ltd.

#### Introduction:

**ZL-8013** is mainly used for brick, stone, cement, concrete and other building materials, compressive strength t est.

#### **Hydraulic System:**

The hydraulic oil tank driven by high-pressure pump into the motor oil, flows through the unidirectional valve, high pressure filter, pressure valve, servo valve, into the cylinder. Computer control signals to the servo valve, Control direction and opening of the servo valve, to control the flow into the cylinder, achieve constant test force control.

#### Control system:

System including digital servo valve, high-precision sensors, controllers and software, high control precision and reliability. Meet GB, ISO, ASTM and other standards for cement, mortar, concrete and other materials testing requirements.

#### System has the following functions:

- Closed-loop control with force;
- Can achieved constant loading rate or constant stress loading rate;
- Adopt computer for electronic measurement, automatic test;
- Computer automatically calculates the results and print reports picture 1 picture 2
- Test reports can be to self-design and exported to Excel picture 3

#### Safety protection device:

When the test force more than 3% of the maximum test force, the overload protection, oil pump motor shut down.

#### Main performance technical specifications:

Max load KN	300kN/10kN
Test force measuring range KN	4%-100%FS
Test Force showed the relative error	≤indicating value±1%
Test Force Resolution	0.01kN
Hydraulic pump rated pressure	25MPa
Loading rate	0.3KN/S~10KN/S
Error loading speed	±5%
Pump rated flow	1.52L/min

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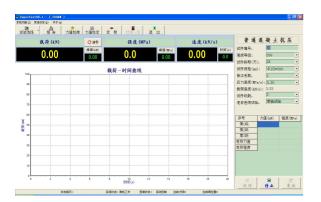
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Upper and lower bearing plate size	φ155mm
Maximum distance between the upper and lower plate	260mm
Piston diameter	φ130mm
Piston stroke	60mm
Motor Power	3 phase 0.75 kW
Outside dimension mm	870×450×1400mm
Weight	450Kg







Picture 1The main interface

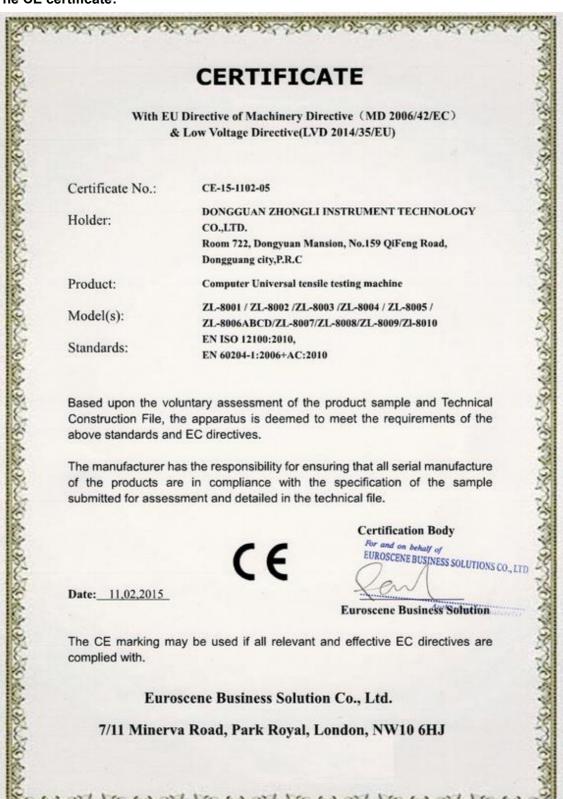
Picture2 Test parameter adjustment chart

Picture 3 Interface test report

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#### The CE certificate:



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