

**YD-2**  
**Tablet hardness tester**

**Instructions**

## 1. Introduction

YD-2 tablet hardness tester consists of the control system, the electric drive system, pressure sensor and other components. Using micro-chip control and high efficiency and low noise motor, the instrument has a precision, high sensitivity, good repeatability, simple operation, high degree of automation.

## 2. Structure



## 3. Parameters

- 1) hardness test range :0.01-30Kg Unit: Kgf
- 2) test accuracy:  $\pm 0.03$ Kg
- 3) tablet diameter range: 2--30mm
- 4) max result storage: 8 values
- 5) motor speed: 30 r / min
- 6) power: 220V/50HZ/20W
- 7) dimensions: 390\*300\*230mm
- 8) weight:8kg

## 4. Operation

- 1) Place the instrument on a stable work platform to avoid vibrations to affect test accuracy.
- 2) Turn on the power, the instrument enters the initial state. The window firstly displays "good", then displays "00,00" that means to enter the test status. Before each test, if the pressure value on the display window is not 0, you can press the "Clear" button, the window displays "good" indicates a return to zero.
- 3) Put the test tablet on the test platform at the middle of the pressure probe. As picture, there are two buttons as "Start / Stop" button and "Forward / Back" button. Press the "Start / Stop" button, the pressure probe slowly moves forward and gradually presses the test tablet. When the tablet has been squeezed broken the window shows the hardness value and the buzzer starts to sound, the window displays the hardness value for a few seconds. At this time, you should press the "Forward / Back" button, then the pressure probe slowly moves backward. The test platform should be cleaned with a brush for the next test.
- 4) The machine can store up to eight test datas, press the "value" key, the window can check the hardness of each test of this batch samples, and the average hardness value.

For example: after a batch sample testing, press the "value" key, the window displays "----" that indicates the average hardness value of this batch sample, and then displays this value for 4 seconds; then press "value" key, sequentially displays the hardness value of each time. (Note: In order to test more accurate of each time, the interval of two tests should be greater than 10 seconds)

- 5) When complete checking all of the test results, press the "Clear" button, the window displays "good", which indicates previous datas have been cleared and be ready for the next batch test.
- 6) When finish the test, clean the test platform with the brush and turn off the power

## 5. Attachment

- |               |   |
|---------------|---|
| 1) Powder box | 1 |
| 2) Brush      | 1 |
| 3) Power cord | 1 |