

# CJY-300E

## Tablet Friability Tester

# User's Manual

V1.2.0

- Prior to using the product, please thoroughly read the user manual first and keep it properly for use at any time.
- The user manual contains a conformity certificate, an inspection record sheet and a list of what's in the box.



## Definition of Reminders

The signs and customary rules used in this user manual are as follows:



The warning or reminder sign refers to matters requiring immediate attention.

## Precautions

To ensure the operating safety of the instrument, please kindly abide by the following precautions:

- Please use the instrument according to its design purposes.
- Please abide by the operating procedures listed in this user manual.
- Comply with the warnings and precautions.
- Dismantling and modifying this instrument unit without permission is strictly prohibited.

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# 1 Product Introduction

## 1.1 Product Introduction

The CJY-300E tablet friability tester is composed of control system, transmission system, and rotation accessories etc. And central controlled function is performed by MPU.

The features are: well structures, auto and simple operations, high accuracy and sensitivity, and stable working performance.

## 1.2 Performance Specifications

	<b>CJY-300E</b>
Drum dimensions	Internal diameter about 286mm, depth: 39mm
Default rotating speed	25 RPM
Rotating speed setting range	20 – 50RPM
Number of laps	100 laps
Lap setting range	1 – 1,000 laps
Rotating direction	Clockwise/Anti-clockwise
Number of drums	2
Power supply	DC12V 3A
Dimension(LxWxH)	45 × 31 × 33 cm
Net weight	≈6.5 kg

### 1.3 Product Schematic Diagrams



1. Friability Drum Lid

2. Friability Drum 1

3. Touch Screen

4. Friability Drum 2

5. Hand Knob

6. ON/OFF

7. Power Interface

## **2 Power Up**

### **2.1 Scope of Delivery**

(Standard Attachments)For more details, please refer to the list of what's in the box.

### **2.2 Box Opening and Product Inspection**

Carefully unwrap every section of the box. Ensure that the packaging of the box is intact so as to make it more convenient for future transportation and storage. Check and inspect every section for any damages incurred during the transportation process. If any damage is found after the completion of internal and external inspection, immediately notify us about the situation of these damages. Place the instrument in a reliable place.

### **2.3 Precautions Prior to Installation**

- 2.3.1 Temperature: The environmental temperature shall be maintained at between 15°C to 30°C. Avoid a slightly higher temperature discrepancy and keep a distance from heat sources.
- 2.3.2 Humidity: The corresponding humidity shall be kept within 10% to 75%.
- 2.3.3 Environment: The environment shall be free from dust, smoke and corrosive gases. The instrument cannot operate in any environment with explosion hazards.
- 2.3.4 Exposed under the sun: Avoid direct sunlight.
- 2.3.5 Vibration: The instrument must be placed in a stable location with minimal vibrations.
- 2.3.6 Voltage and frequency: Check the voltage and frequency of the main power supply to see whether they comply with the calibration range of the instrument.
- 2.3.7 Maintaining the instrument's water level.

## 2.4 Installation

2.4.1 Connect the 220V power supply.

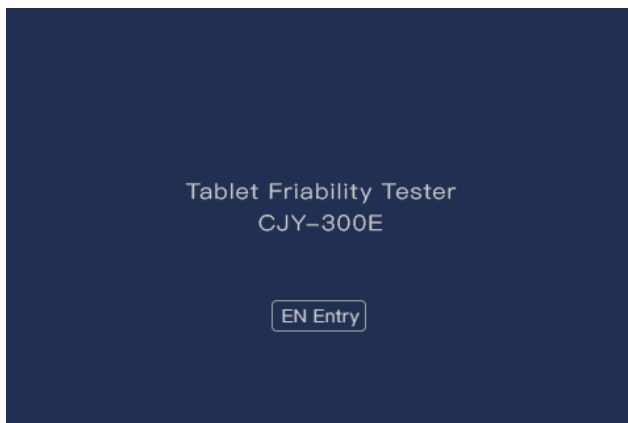
## 3 Operating Instructions

### 3.1 Switching on the Instrument

Connect to the power supply. After switching on the power supply, the screen panel of the main equipment will light up and enter into an ON state.

### 3.2 Logging into the System

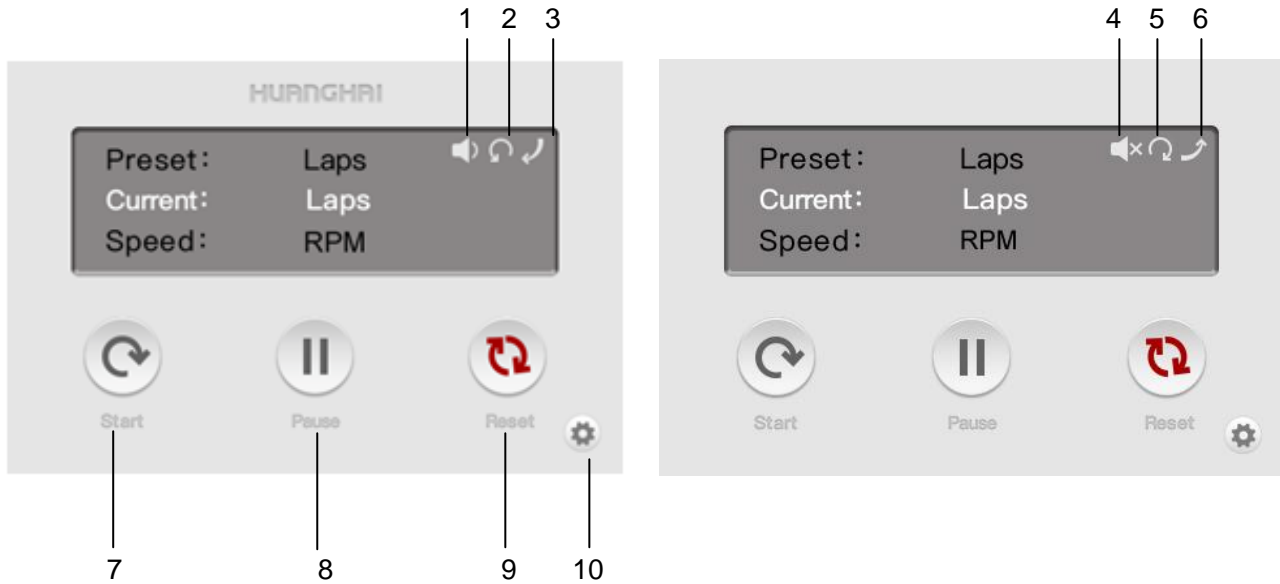
After switching on the equipment, you will enter the Log In interface (as in the diagram below)





### 3.3 System Interface and Software Operation

#### 3.3.1 Main Interface



1. Prompt Tone: ON

2. Anti-clockwise

3. Positive count

4. Prompt Tone: OFF

5. Clockwise

6. Count Down

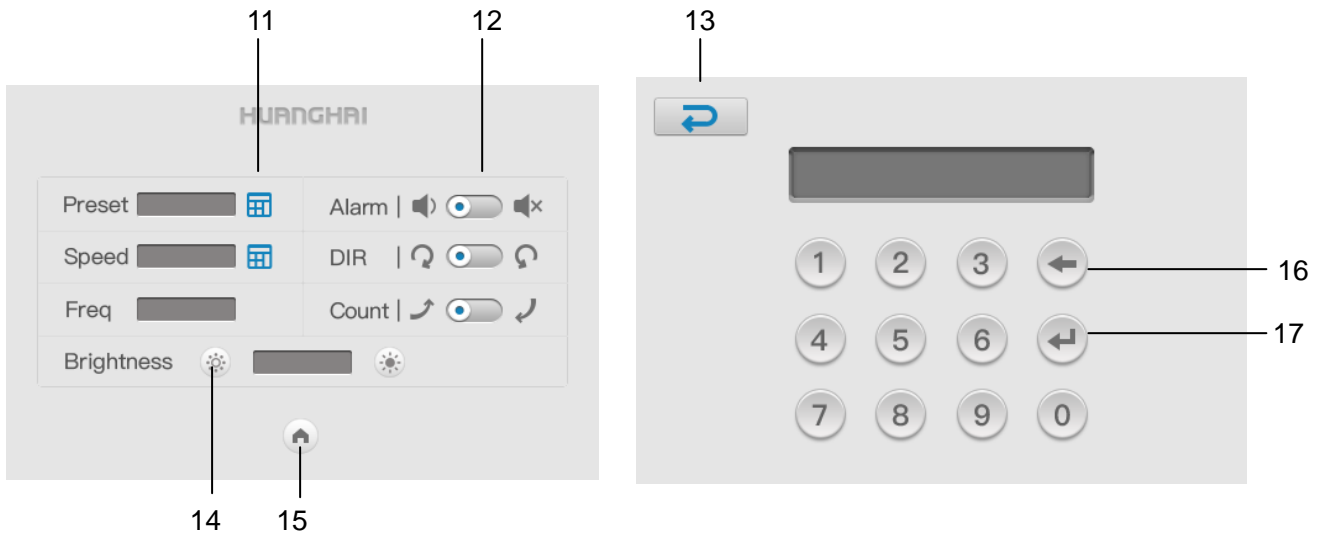
7. Start

8. Pause

9. Reset

10. Settings

### 3.3.2 Settings Interface



11. Number Pad

12. Settings

13. Back Settings Interface

14. Brightness

15. Back Main Interface

16. Backspace

17. Enter

## 4 Applications

- ① Setting Speed.
- ② Setting Laps
- ③ Setting Rotating direction
- ④ Place the tablet in the drum
- ⑤ Start.

## **5** Maintenance & Precautions

- 5.1 While using this instrument, it must be placed on a horizontal working table. Check the working environment and the voltage of the power supply to see whether they comply with the requirements of the technical specifications
- 5.2 Prior to using this instrument, please thoroughly read the user manual first so as to fully understand each operating procedure and all necessary precautions pertaining to the instrument.
- 5.3 Please do not dismantle this instrument without permission unless you are a professionally qualified maintenance personnel.
- 5.4 Please clean the inside of the Friability drum after each use.
- 5.5 The instrument must be disconnected from the power supply while it is not used for a long period
- 5.6 If there is any fault or malfunction, please contact the manufacturer.

## 6 Conformity Certificate

### LIST OF INSPECTION RECORDS

Name: Tablet Friability Tester

MODEL: CJY-300E

SNID: CJY

OQC:

DATE:

#### Inspection Records:

No.	Inspection Item	Technical Requirement	Test Result
1	Internal diameter of drum	$286 \pm 0.2\text{mm}$	
2	Speed	20-50 RPM	
3	Stable speed error	$\leq \pm 1\%$	
4	Laps	1-1000	
5	External appearance of instrument	No external defects, clean, no scratches, no peeling of paint coating	

## 7 Complete printing of contents

The box contains the following items:

No.	Item	Specification	Quantity	Remarks
1	Main equipment		1	
2	Friability Drum		2	
3	AC ADAPTER	DC12V 3A	1	
4	User's manual (inclusive of a conformity certificate and a list of what's in the box)		1	
5	Cleaning Brush		1	

\*Remark: The contents of what's in the box refer to the standard equipment and parts that shall be included within the packaging box. It does not include the optional parts that you may have selected separately. If you have selected other accessories and parts, please check the items carefully upon the receipt of the goods.

**Packaging Inspector:**

**Packaging Date:**