

HONGCE

**IPX5-6 SPRAY TEST EQUIPMENT
IPX6**

USER MANUAL

H & H

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H & H

I Foreword

Thanks for purchasing and using our products! In order to ensure safety and proper usage of this product, please read this entire user manual before operating the product.

The user manual contains unpacking checking, the main technical parameters, installation and commissioning method and the instrument parameter settings and etc. We have worked hard to ensure the completeness and accuracy of the contents of this document. If you have any questions or different understandings during the usage, or find any shortcomings and mistakes, welcomes to contact with our company or our authorized agents directly.

Please keep this user manual in order to ensure the normal use of the instrument.

The logo consists of the letters 'H', '&', and 'H' in a bold, cyan-colored, sans-serif font. The letters are large and centered horizontally. The background of the page features a large, faint watermark of the H&H logo, with a yellow semi-circle above it and a cyan semi-circle below it, both centered behind the text.

II Product Introduction

The spray test system is designed and manufactured according to the standard IEC60529<<Degrees of protection provided by enclosures (IP Code)>>, used to test waterproof performance of the electrical products which second characteristic is numeral 6.

This machine is suitable for enclosure protection rating evaluation of electrical appliances and electronic equipment, against the harmful effects due to water entering the housing of the device.

Specifications for sample turntable:

1. Turntable Material: SUS304 stainless steel, diameter ϕ 600mm. Turntable height is adjustable, adjustable range: 600-900mm.
2. Maximum load: 50KG.
3. Turntable rotation speed: 1-5 r / min adjustable.
4. Turntable electrical part is fully sealed to prevent water leakage. Can equip with a waterproof universal socket.
5. Turntable adopts to domestic high-speed motors, adjustable speed within the standard range. Containing a reducer (reduction ratio 1: 300)
6. Turntable can rotate clockwise or counterclockwise
7. There are four activities with brake casters beneath the turntable, easy for moving and stationary

Technical parameters:

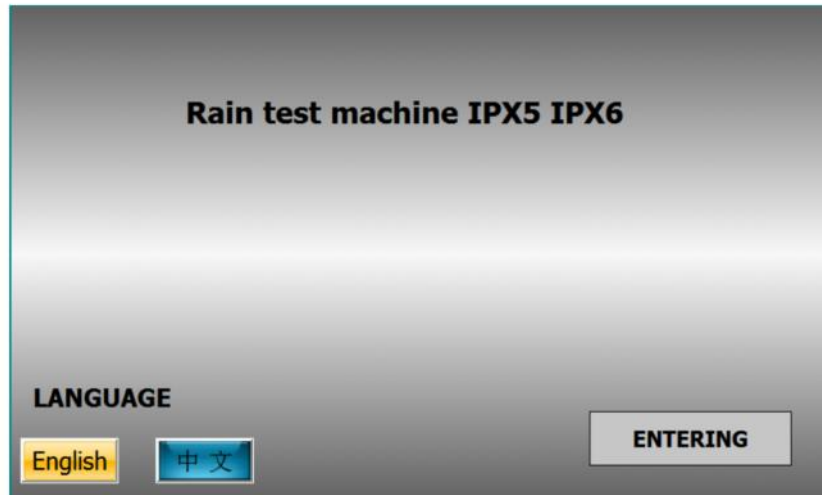
Model	IPX6A
IPX6 Spray aperture (mm)	$\text{Ø}12.5\text{mm}$
IPX6 Spray Flow	100L/min \pm 5%
IPX6 Flowmeter	10-110L/min one piece
The distance of IPX6 nozzle mouth to test products	2.5m-3m
Water jet pressure	100~150kpa(Adjust by water flow)
Timer	1—9999Min


Sample turntable	Ø600mm,
Sample turntable rotation speed	1~5r/min (adjustable)
Sample turntable material	SUS304# stainless steel
Reservoir (L)	500L
Reservoir material	SUS304# stainless steel
Breaker	No fuse breaker
Protective	Leakage, No water , short-circuit



III Equipment Control And Operation

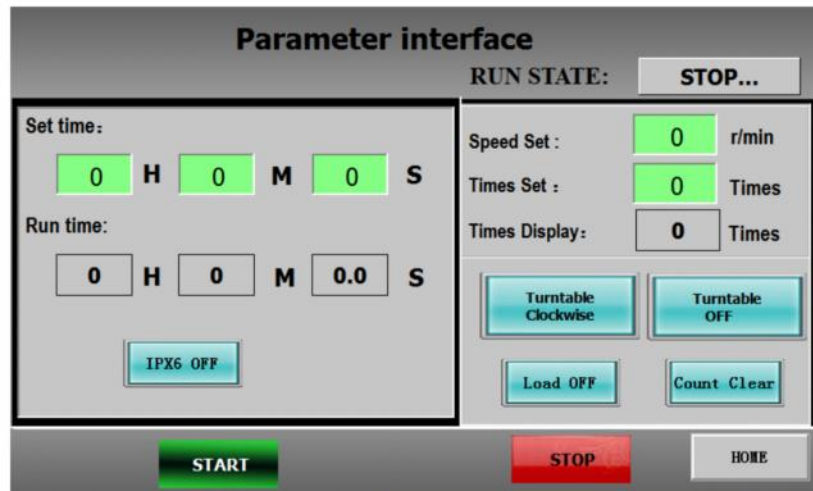
A: Operation Panel

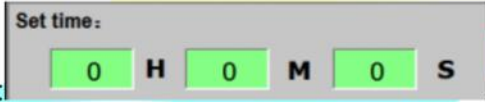


1. 【Language Switch Button】 :  Click this button can switch the language between English and Chinese .

2. 【ENTERING】 :  click this button to turn to parameter interface .


3. 【Parameter Interface】 :





3.1 【Set Time】 :  ,click the setting frame pop up the keyboard , enter the value ,click OK to complete the setting ,the setting time can be set of 1S-999H59M59S.




3.2 【Run Time】 :  Display the running time in real time.

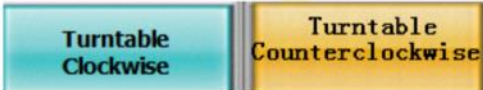
3.3 【Run State】 :  Display “stop ”when the device is stopped ,display “start” when device is starting .

3.4 【Speed Set】 :  Set the speed of the turntable 1-5 r/min.

3.5 【Times Set】 :  Set the running times of the turntable.

3.6 【Times Display】 :  Display the running times of the turntable in real time .


3.7 【Turntable Clockwise ,Turntable Counterclockwise】 :


 The original turntable is clockwise and after press is counterclockwise

3.8 【Turntable OFF】 : ,press the button to start /stop the turntable .

3.9 【Load OFF】 :  Press the button and the socket on the turntable is powered on .


3.10 【Count Clear】 : , Press the button ,clear the turntable times .

3.11 【IPX6 OFF,IPX6 ON】 : ,Press this button to star /stop the IPX6 test .

3.12 【START】 : ,after the parameter setting is completed ,press this button , to start the test .

3.13 【STOP】 : ,press this button to stop IPX6 test .

HOME

3.14 **【HOME】** : , Press this button to turn to initial screen.

IV Preparation Before Test

Close the main power switch, the system is powered, and the power indicator is on.

1.Installation of Turntable

Connect the turntable connecting line to the turntable interface on the equipment.

2.Installation of Spray Nozzles

Install the nozzle on the bracket. And the distance from the sample on the turntable to keep the distance of 2.5-3 meters


3.Installation of the water inlet pipe and water outlet pipe

Connect the inlet pipe to the inlet port, and the rest is connected to each outlet according to function.

V Test procedure

1. Turn on the main power supply.
2. Open the power switch on the control panel.
3. Setting the parameters .
4. Put the test sample on the turntable and insert the sample power.

IPX6 OFF

5. In the control interface ,press ,select the turntable to clockwise or counterclockwise ,start the turntable ,click to start the system ,adjust IPX6 water flow meter achieve a flow rate of 100

± 5 (L / min).

6. After the test is completed ,clear the site ,turn off the power on the control panel and the main power supply .

VI Safety Warning

1. This equipment is powered by high voltage and must be protected against electric shock during use. The operator must strictly abide by the operating procedures and the metal casing that the equipment enclosure and personnel touch must be well grounded.
2. If you hear an abnormal sound during operation, please stop the machine and check it again before restarting it, so as not to affect the service life of the equipment.
3. After the equipment is positioned, the support frame should be propped up to prevent the casters from being shaken after the equipment is tested.
4. The equipment runs for a long time. If the water spray hole is found to be blocked, the pipeline must be removed, rinsed with tap water and then assembled.
5. Clean water tank regularly to keep it clean.

VII Contact To Manufacturer

Manufacturer: Guangzhou HongCe Equipment Co., Ltd

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