

## Adjustable 200 mm IPX3 IPX4 Rain Test Chamber , Maneuverable Rain Tester

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013, DIN 40050-9:1993, IEC60529:2013 VW 80000:2017 LV124 K-10
- Model Number: YX-IPX34B-R200
- Minimum Order Quantity: 1 pcs
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30



### Product Specification

- Material: Outer: Steel Plate; Inner: 304 Stainless Steel
- Application Scenarios: Rain、 Splash Water
- Controller: 7-inch PLC Touch Screen
- Turn Table Diameter: 200mm
- Turn Table Load Bearing: 20KG
- Rotating Speed: 1-5 Rounds Per Minute
- Observation Window: Tempered Glass
- Product Name: Waterproof Testing Chamber , Rain Spray Climatic Chamber
- Highlight: **ipx3 water spray test equipment ,  
ipx4 water spray test equipment ,  
ipx4 ipx3-4 rain spray test equipment**

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## Product Description

### Adjustable 200 mm IPX3 IPX4 Rain Test Chamber , Maneuverable Rain Tester

#### General specifications:

Outer dimension: Approx W 955×D 690×H 1415(mm)  
 Inner dimension: W 500×D 500×H 500 (mm)  
 Power supply: 220V/50HZ  
 Power: 1.0kW

#### Description:

The adjustable speed and precision angle of the swing tube on this equipment enable it to simulate rainfalls of varying intensities and angles, allowing for the testing of product performance under real-world rain conditions.

There is a water storage tank inside the equipment and a water level control system. When the water is full, it will prompt, and when it is short of water, it will alarm. The sample power socket (220V, 10A) is mounted on the right wall of the inner box, which is convenient for the user to do the live test of the sample; and after the sample is powered on, the turntable rotation will be automatically adjusted to forward and reverse rotation to prevent winding<sup>5</sup>. And there is a waterproof lighting inside, which is convenient for users to observe the test situation.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple languages<sup>6</sup>.

Test time setting: 0-999min<sup>7</sup>.

Universal casters are mounted on the bottom, which has good load-bearing and easy to move and fix the equipment.

Protection measures: short circuit protection, water shortage alert.

Internal front water storage tank, can be convenient for maintenance and timely water change, the water tank has a filter, can prevent parts impurities into the pump.

Box-type structure, can be recycled water testing, saving resources and more environmentally friendly (it is recommended to replace the water once a week to prevent the deterioration of water quality)

Using Yuexin independent research and development and design of the operating interface, support for multi-language switching, and in the case of networking can be handled remotely to deal with program problems.

There is a drainage groove under the window of the equipment to prevent dripping water from flowing out directly along the box door, resulting in rust or deformation of the lower edge of the box door.

#### The main technical parameters :

Item	Specification
Radius of swivel tube	R200mm
Diameter of swivel tube	400mm
Number of nozzles of swivel tube	12
Internal diameter of nozzle	0.4mm
Internal diameter of swivel tube	15mm
Distance between nozzles	50mm
Speed of rotation of the swivel tube	60 degree/s
Swing pipe angle	IPX3:120°; IPX4:350°
Flow control <sup>8</sup>	Manual adjustment with flow meter
Water volume flow(IPX3) <sup>9</sup>	0.56L/min±5%
Water volume flow(IPX4)	0.84L/min±5%
Flow meter range	0-2.0 L
Power supply	220V/50HZ
Power	1.0kW

#### Application:

This rain simulation chamber stands as a prime solution for assessing the water resilience of devices across diverse industries. By replicating rainfall scenarios, it rigorously tests their durability, sealing integrity, and operational capability in damp environments. Catering to electronics, automotive components, outdoor gear, and beyond, its automated operations and water recirculation technology optimize testing workflows and guarantee precise outcomes.

#### Remark:

- 1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.
- 2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.
- 3 Standard load-bearing upper limit of turntable is 30kg, but also can be customized per requirements.
- 4 One test only at the same time. The next project can be only carried out after the current test is completed. In addition, we can provide multi-functional customized test solutions according to user requirements.
- 5 Please inform in advance if the voltage(220V) does not match the actual needs so that we can provide customized solutions for you.
- 6 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.
- 7 It is recommended to set the test time according to the test standard. The water temperature will rise due to long time test which has an impact on the test results.
- 8 The standard model is adjusted by a flowmeter, and the upper surface of the float is aligned with the scale to read the data; if you need to export the test data, you can choose a flow sensor.
- 9 When reading the flowmeter, the second digit after the decimal point is the estimated reading data, not accurate data; if the user is concerned about the accuracy of the data, a flow sensor can be selected through negotiation.
- 10 The photos may not match the actual ones, and are for user reference only.

#### Product detail photo:



ventilation mesh

**Tags:** Waterproof Chamber, Waterproof Test Chamber for IPX3 IPX4, Rain Spray Climatic Chamber



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