



200 mm Rain Test Chamber with Flow Sensor and Pressure Sensor for IPX3 IPX4

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-IPX34BSE-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

- Turn Table Load Bearing: 20KG
- Rotating Speed: 1-5 Rounds Per Minute
- Controller: 7-inch PLC Touch Screen
- Inspection Window: Tempered Glass
- Material: Outer: Steel Plate; Inner: 304 Stainless Steel
- Application Scenarios: Rain、 Splash Water
- Turn Table Diameter: 200mm
- 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

200 mm Rain Test Chamber with Flow Sensor and Pressure Sensor for IPX3 IPX4

General specifications:

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

Product description:

This product, furnished with flow and pressure sensors, boasts the ability to perform not merely precise measurements but also seamless communication and collaboration with various devices and systems, enabling automation and intelligence.

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 winding⁵. 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 languages⁶.

Test time setting: 0-999min⁷.

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.

Simple installation, power on and adding water can be used, test parameters can be set on the touch screen, clear picture, easy to operate.

Conventional box-type equipment swing tube specifications are generally R200, R400, R600, can be customised according to user needs to do larger specifications (need to assess the budget, delivery period and other factors)

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)

The equipment adopts stainless steel water pump to ensure that the machine operates for a long time without rusting and is very durable.

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.

Technical parameters :

Item	Specification
Radius of swivel tube	R200mm
Diameter of swivel tube	400mm
Internal diameter of swivel tube	15mm
Internal diameter of nozzle	0.4mm
Number of nozzles of swivel tube	12
Distance between nozzles	50mm
Speed of rotation of the swivel tube	60 degree/s
Swing pipe angle	IPX3:120°; IPX4:350°
Water volume flow(IPX3)	0.56L/min±5%
Water volume flow(IPX4)	0.84L/min±5%
Power supply	220V/50HZ
Power	1.0kW

Service environment:

The IPX34 rain simulation chamber is a widely adopted tool in numerous testing scenarios, particularly aimed at evaluating the water-resistant properties of outdoor equipment, household devices, auto parts, and electrical items. It precisely duplicates the water spray testing conditions, ensuring that the products maintain their efficacy in rainy or moisture-laden environments.

Cautions:

- 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 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.
- 4 Standard load-bearing upper limit of turntable is 30kg, but also can be customized per 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 photos may not match the actual ones, and are for user reference only.

Product detail picture:



swing tube

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



Guangzhou Yuexin Test Equipment Co., Ltd.



18122303372



mft@yxipx.com



raintestchambers.com

101, No.3, Jiangjunzi Road, Dalong Street, Panyu District, Guangzhou City China