

Rain Test Chamber for IPX1 IPX2, Programmable 1000mm Water Drip Test Chamber

Our Product Introduction

Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013 , DIN 40050-9:1993 , IEC60529:2013 VW80000:2017 LV124 K-10
- Model Number: YX-IPX12B-1000
- Minimum Order Quantity: 1pcs
- 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

- Product Name: Vertical Rain Test Chamber
- Drip Area: 1000×1000mm
- Turn Table Load Bearing: 50KG
- IP Grade: IPX12
- Distance Between Nozzles: 20mm
- Drip Distance: 200mm
- Turn Table Diameter: 600mm
- Turntable Tilt: 0° Or 15°
- Highlight: Vertical Rain Test Chamber, 1000mm Drip Test Chamber, Water Drip Test Chamber

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Product Description

IPX1 IPX2 Rain Test Chamber , Programmable 1000 mm Water Drip Test Chamber

General information:

Dimension	Outward: Approx W 1250×D 1020×H 1750 (mm) Within: W 800×D 800×H 1000 (mm)
Material	Exterior: steel plate Interior: 304 stainless steel

Product structure:

In comparison to the stand-up and wall-mounted variations, the box-style rain test chamber stands out with its convenience in mobility, enabling the recirculation and reuse of experimental water, eco-conscious design, and its capability to undertake waterproof assessments on smaller equipment.

The drip tank is made of stainless steel, with 0.4mm needle nozzles evenly distributed, and the water level is invisible. 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.

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 language⁶.

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.

When the ground is not flat, the height can be adjusted individually to keep the water coming out of the drip plate evenly.

The water storage tank is placed in front of the inner tank, which is convenient for cleaning and maintenance.

The standard version uses a glass flow meter to regulate the flow rate, and can be upgraded to use a sensor to regulate the flow rate, and the data is displayed on the touch screen.

Blue and white colours are used in the shell, which is in line with the theme of waterproof test.

Working scene:

The rain tester manufacturer serves a diverse range of sectors, including plastics, rubbers, paints, coatings, printing inks, paper, pharmaceuticals, food industries, cosmetics, textiles, automotive components, packaging, building materials, and electrical and electronic products. It furnishes vital testing information that underpins scientific inquiry, product evolution, and stringent quality assurance measures.

The main product data :

Item	Specification
Drip area	1000×1000mm
Diameter of nozzles	0.4mm
Distance between nozzles	20mm
Flow control ⁸	Manual adjustment with flow meter
Water flow(IPX1) ⁹	0.36-0.54 L/min
Water flow(IPX2)	1.08-1.26 L/min
Flow meter range	0-2.0 L
Drip distance ¹⁰	200mm
Power supply	220V/50HZ
Power	1.0kW

Attention:

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 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 The data is calculated based on the dripping area, $IPX1: 0.6 \times 0.6 \times (0.001 - 0.0015) = 0.00036 - 0.00054 m^3/min$ (that is 0.36-0.54L/min). 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.

Second characteristic numeral	Test means	Water flow rate	Duration of test	Test conditions, see
0	No test required	—	—	—
1	Drip box Figure 3 Enclosure on turntable	$1^{+0.5}_{-0}$ mm/min	10 min	14.2.1
2	Drip box Figure 3 Enclosure in 4 fixed positions of 15° tilt	$3^{+0.5}_{-0}$ mm/min	2.5 min for each position of tilt	14.2.2

10 200mm is the distance from the nozzle to the sample specified in the standard, and the user needs to adjust the height of the turntable to meet the distance requirement.

11 The photos may not match the actual ones, and are for user reference only.

Detail photo of product:



flow meter

Tags: IPX1 IPX2 Waterproof Chamber, Dripping Simulation Chamber for IPX1-2, Vertical Rain Test Chamber



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