

1200×1200mm Climatic Rain Test Equipment IPX1 IPX2 With Small Working Area

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-IPX12C-1200
- 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

- Goods Name: Rain Testing Machine , Water Drip Test Equipment
- Material: Outer: Formed Aluminum; Inner:304 Stainless Steel
- Distance Between Nozzles: 20mm
- Drip Area: 1200×1200mm
- Drip Distance: 200mm
- Turntable Tilt: 0°or 15°
- Water Flow IPX1 : 1.44-2.16L/min
- Water Flow IPX2 : 4.32-5.04L/min
- Highlight: **1200×1200mm Rain Test Equipment, Climatic Rain Test Equipment, Rain Test Equipment IPX1**

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Product Description

1200 mm Climatic Rain Test Equipment for IPX1 IPX2 With Small Working Area

General specifications:

Outer Dimension: Approx W 1430×D 1540×H 2420 (mm)
 Inner Dimension: Approx W 280×H 350 (mm)
 Power supply : 220V/50HZ

Application:

By simulating rainwater conditions to test the waterproof equipment, we can ensure that they meet the required waterproof standards in practical use. The dripping rain test machine finds widespread applications in various fields, including electronics, outdoor equipment, the automotive industry, as well as scientific research and testing institutions.

Product detail information:

One of the key benefits of this drip rain tester designed for wall mounting is its compactness, allowing for significant space savings in the testing zone. Its high vertical space optimization ensures it fits perfectly into tight spaces for testing purposes.

The key characteristics of this equipment, are its firmness and durability achieved through being fixed on the wall with expansion screws.

The equipment is fixed on the wall by expansion screws, which is firm and durable⁵.

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

The drip board can be lifted by screw rod, and has a photoelectric detection switch, which can stop falling at a distance of 200mm from the sample.

A protective cover is installed under the drip board to protect personnel from being hurt by the nozzle.

The sample power socket (220V, 10A) is mounted on the side of the turntable, 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 winding⁶.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple language⁷.

Protection measures: short circuit protection, safety shield protection.

The rack is made of high-strength aluminium alloy, with triangular diagonal support design, not easy to deform, load-bearing up to 150kg.

The whole rack is fixed by expansion screws against the wall, and the level of drip board is not affected by the ground.

The bottom of the drip plate is installed with a mesh shield, which can effectively protect people from contacting the needle nozzle, avoiding injuries and preventing deformation of the needle nozzle.

Spray water can not be recycled, you need to install the equipment in a site with smooth drainage conditions.

Adjustment of flow: conventional glass flowmeter adjustment, optional sensors, so that the data is displayed on the touch screen.

The control box of the equipment is installed independently, fixed against the wall or fixed as a rack, and the operating height can be matched independently according to the user's needs.

The main technical parameters :

Item	Specification
Drip area	1200×1200mm
Diameter of nozzles	0.4mm
Distance between nozzles	20mm
Test time	0-999min
Drip board height	800-1800mm
Flow control ⁸	Manual adjustment with flow meter
Flow meter range	0-6.0 L
Water flow(IPX1) ⁹	1.44-2.16L/min
Water flow(IPX2)	4.32-5.04L/min
Drip distance ¹⁰	200mm
Power supply	220V/50HZ
Power	1.0kW

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 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 The equipment needs to be fixed with expansion screws on the wall. If the laboratory does not have this condition, it is recommended to replace it with other models.

6 Please inform in advance if the voltage(220V) does not match the actual needs so that we can provide customized solutions for you.

7 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.

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, $IPX1: 1.2 \times 1.2 \times (0.001 - 0.0015) = 0.00144 - 0.00216 m^3/min$ (that is 1.44-2.16L/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 drip board to meet the distance requirement.

11 The user needs to prepare an air compressor in advance (recommended gas storage capacity > 40L). If you need us to buy it on your behalf, you need to explain in advance.

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

Detail photo:



retaining screw - top

Tags: Rain Testing Device, Water Dripping Test Equipment, Waterproof Test Machine



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