

YueXin 1600mm Rain Test Machine IPX12 Accurate Rain Test Apparatus

Our Product Introduction

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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-IPX12A-1600
- 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: Rain Test Machine
- Drip Area: 1600×1600mm
- Distance Between Nozzles: 20mm
- Drip Distance: 200mm
- IP Grade: IPX12
- Turn Table Diameter: 1000mm
- Turn Table Load Bearing: 50KG
- Turntable Tilt: 0° Or 15°
- Highlight: Rain Test Machine IPX12, 1600mm Rain Test Machine, Accurate Rain Test Apparatus



Product Description

IPX1 IPX2 1600 mm Rain Test Machine , Accurate Rain Test Device

General specifications:

Dimension	Outer: Approx W 1800×D 1800×H 2700 (mm) Inner: Approx W 200×H 350 (mm)
Material	Exterior: Formed Aluminum; Interior: 304 stainless steel

Product introduction:

At the core of its capabilities, this tester for drip rain features a solid framework that simplifies relocation and ensures flawless performance in every test. Additionally, the column-based design provides ample height adjustment options for the drip plate, tailored to meet the demands of testing samples with diverse dimensions.

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 and lowered by chain drive + screw combination device, 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 winding⁵.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple languages⁶.

Floor-standing structure: the bottom can be fixed to the ground with expansion screws to make the equipment firm and stable.

Protection measures: short circuit protection, safety shield protection.

The top is lifted and lowered by an electric hoist, with a load capacity of 200kg > the weight of the water tank when fully loaded (approx. 100kg).

The water inlet of the drip tray comes in from the centre of the top and spreads out in all directions so that the water drips relatively evenly.

There are reinforcement bars welded inside the drip plate to effectively prevent bursting due to high water pressure.

There are mobile casters and foot brakes at the bottom, which can be moved and fixed as a whole.

After receiving the equipment, users only need to fix the equipment, connect the water and power on to start the test.

The main technical parameters :

Item	Specification
Drip area	1600×1600mm
Diameter of nozzles	0.4mm
Distance between nozzles	20mm
Test time	0-999min
Drip board height	800-1800mm
Flow control ⁷	Manual adjustment with flow meter
Flow meter range	0-10.0 L
Water flow(IPX1) ⁸	2.56-3.84L/min
Water flow(IPX2)	7.68-8.96L/min
Drip distance ⁹	200mm
Power supply	220V/50HZ
Power	1.5kW

Application:

As experts in rain testing, we provide comprehensive solutions to a multitude of sectors, extending from plastics and rubbers, across paints, coatings, printing inks, paper goods, pharmaceuticals, food processing, cosmetics, textiles, automotive parts, packaging systems, building materials, to electrical and electronic products. Our testers play a fundamental role in generating vital test insights that guide scientific exploration, product evolution, and quality assurance protocols.

Notes:

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 50kg, 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 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.

8 The data is calculated based on the dripping area, $IPX1: 1.6 \times 1.6 \times (0.001 - 0.0015) = 0.00256 - 0.00384 m^3/min$ (that is 2.56-3.84L/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

9 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.

10 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.

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

Product detail photo:



retaining screw

Tags: Dripping Rain Testing Machine, Water Drip Test Equipment, Dripping Climatic Chamber



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