

IPX1 IPX2 1600mm Rain Test Machine , Waterproof Tester with Flow Sensor

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-IPX12AE-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: Waterproof Test Equipment
- Drip Area: 1600×1600mm
- Distance Between Nozzles: 20mm
- Drip Distance: 200mm
- IP Grade: IPX12
- Turn Table Diameter: 600mm
- Turn Table Load Bearing: 30KG
- Turntable Tilt: 0° Or 15°
- Highlight: IPX1 IPX2 Rain Test Machine,
1600mm Rain Test Machine,
IPX12 Waterproof Test Equipment

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Product Description

IPX1 IPX2 1600 mm Rain Test Machine , Waterproof Tester with Flow Sensor

General specifications:

Dimension	Approx W 1320×D 1020×H 2420 (mm)
Material	Formed Aluminum

Product overview:

At the forefront of its attributes, this drip rain tester exhibits a solid frame structure, facilitating mobility and guaranteeing a hitch-free operation during every test. Moreover, the column design introduces extensive adjustability to the drip plate's height, catering to the testing needs of samples of varying dimensions.

The drip board is made of stainless steel , with 0.4mm needle nozzles evenly distributed(the water level is invisible). And it can be lifted and lowered by the electric hoist device, and has a photoelectric detection switch, which can stop falling at a distance of 200mm from the sample. Also , 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 winding ⁵.

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

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 , safety shield protection.

The height of the drip board can be controlled by the touch screen to control the lifting action, easy to operate.

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).

Needle nozzles are made of replaceable plastic nozzles, easy to maintain and delivered with needle nozzles.

Drip board lifting has high and low level limitations, using two metal sensors to sense.

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.

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	0-4.0 L
Water flow(IPX1) ⁸	0.64-0.96L/min
Water flow(IPX2)	1.92-2.24L/min
Drip distance ⁹	200mm
Power supply	220V/50HZ
Power	1.0kW

Usage:

Specializing across multiple industries, our rain testers serve a broad spectrum, including plastics, rubbers, paints and coatings, printing inks, paper products, pharmaceuticals, food and beverage processing, cosmetics, textiles, automotive components, packaging materials, construction essentials, and electrical/electronic appliances. These testers occupy a key position in providing essential testing data that underpins scientific research, fosters product creativity, and maintains quality control standards.

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 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, $IPX1: 0.8 \times 0.8 \times (0.001 \sim 0.0015) = 0.00064 \sim 0.00096 m^3/min$ (that is 0.64~0.96L/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.

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.

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

Product relevant picture:



retaining screw

Tags: IPX1 IPX2 Water Drip Climatic Machine, Rain Test Equipment, Dripping Climatic Device



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