

## Strong Load Bearing Capacity 800mm Rain Tester IPX1 IPX2 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-IPX12CE-800
- 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

- Drip Area: 800×800mm
- Distance Between Nozzles: 20mm
- Drip Distance: 200mm
- IP Grade: IPX12
- Turn Table Diameter: 600mm
- Turn Table Load Bearing: 30KG
- Turntable Tilt: 0° Or 15°
- Product Name: Vertical Rain Test Equipment, Water Rain Testing Machine
- Highlight: Rain Tester IPX1, Rain Tester IPX2

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## Product Description

### Strong Load-bearing Capacity 800 mm Rain Tester with Flow Sensor for IPX1 IPX2

#### Commodity general specifications:

|          |  |
|----------|--|
| Size     | Outside: Approx W 1030×D 1140×H 2420 (mm)<br>Inside: Approx W 280×H 350 (mm) |
| Material | Extrinsic: Formed Aluminum<br>Intrinsic: 304 stainless steel                 |

#### Product information:

The primary advantage of opting for this wall-mounted drip rain tester lies in its space-saving design, minimizing the area required for testing. Its efficient use of vertical space makes it a suitable option for conducting tests in spaces with limited dimensions.

The equipment is fixed on the wall by expansion screws, which is firm and durable<sup>5</sup>.

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 winding<sup>6</sup>.

Controller: 7-inch touch screen + PLC, using Yuxin self-developed software, which can be switched to multiple languages<sup>7</sup>.

Protection measures: short circuit protection, safety shield protection.

The bottom space is open on three sides, the sample shape and size range is more applicable, and it is more convenient to install the specimen.

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

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

#### Product usage :

We are renowned specialists in rain testers, offering comprehensive solutions to a wide array of sectors, including but not limited to plastics, rubbers, paints, coatings, printing inks, paper products, pharmaceuticals, food and beverage, cosmetics, textiles, automotive parts, packaging solutions, building materials, and electrical/electronic goods. Our testers are indispensable in providing vital test results that inform scientific research, spur product development, and ensure quality assurance practices.

#### The main technical parameters :

| Item                          | Specification                     |
|-------------------------------|-----------------------------------|
| Drip area                     | 800×800mm                         |
| Diameter of nozzles           | 0.4mm                             |
| Distance between nozzles      | 20mm                              |
| Test time                     | 0-999min                          |
| Drip board height             | 800-1800mm                        |
| Flow control <sup>8</sup>     | Manual adjustment with flow meter |
| Flow meter range              | 0-4.0 L                           |
| Water flow(IPX1) <sup>9</sup> | 0.64-0.96L/min                    |
| Water flow(IPX2)              | 1.92-2.24L/min                    |
| Drip distance <sup>10</sup>   | 200mm                             |
| Power supply                  | 220V/50HZ                         |
| Power                         | 1.0kW                             |

#### Announcements:

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,  $IPX1:0.8 \times 0.8 \times (0.001-0.0015) = 0.00064-0.00096 \text{ m}^3/\text{min}$  (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.

| Second characteristic numeral | Test means   | Water flow rate     | Duration of test                  | Test conditions, see |
|-------------------------------|--|---------------------|-----------------------------------|----------------------|
| 0                             | No test required   | —                   | —                                 | —                    |
| 1                             | Drip box<br>Figure 3<br>Enclosure on turntable                     | $1^{+0.5}_0$ mm/min | 10 min                            | 14.2.1               |
| 2                             | Drip box<br>Figure 3<br>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 image:



draining board

**Tags:** Drip Testing Machine, Rain Test Equipment, Dripping Environmental Device

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