

Product Information

Waterproof Tester | WT 03 - Vertical Rain-Drip Tester - Shelf Model



Principle: Simulate the damage of natural water (rain, seawater, river water, etc.) to products and materials, and waterproof testing of product casings.

Application: For electrical products, outdoor lamps, electrical cabinets, electrical components, automobiles, motorcycles and their components and other products in simulated rainy climate conditions, the physical and other related properties of the product tested. After testing, the performance of the product is determined to meet the requirements, in order to facilitate product design, improvement, verification and factory inspection use.

Standard :

IEC60529:1989 +A1:1999 +A2: 2013 《Degrees of protection provided by enclosures(IP Code)》

GB/T4208-2017 Housing Protection Rating (IP Code) 14.2.1, 14.2.2 and Figure 3

GB7000.1 Lamps Part I: General Requirements and Trials 9.2.3

Features:

1. Touch screen control, independently developed operating interface (based on customer requirements to install multiple languages), can directly choose waterproof level, the device will automatically in accordance with the standard terms of the waterproof rating conditions for testing;
2. Core control components use 7-inch touch screen + Panasonic PLC, and electrical components are made using imported brands such as LS .

3. Sample loading table using stepper motor, rotation speed and standard angle can be controlled by touch screen, IPX1 standard speed: 1r/min; IPX2 angle test can be completed automatically: 2.5min rain in 4 positions.
4. With air drying function, after the completion of the test, the water in the drip tank can be removed clean, to avoid long-term water fouling and block the pinhole.
5. The rainboard automatically rises and falls , it can automatically stops when the nozzle is located at the highest point of the tested object at 200mm.
6. Rainfall: with adjustment valve, can be adjusted manually.
7. The nozzle contact bit brass cone design makes it easy to change the needle without tools, and a stainless steel mesh shield is installed under the needle to prevent the test operator from being injured when the head touches the test needle.
8. Rain-drip plate: the use of vacuum design, the use of high rust-proof stainless steel material manufacturing.
9. **Column structure, equipment running smoothly, the main frame can be packaged as a whole, convenient transportation, saving installation time.**
10. sample turntable: US304 stainless steel plate processing and manufacturing.
11. The test chamber is equipped with a sample power outlet (standard AC220, 10A; can be customized on demand), then sample can be tested live.
12. The equipment base is equipped with 4 moving casters for easy movement and fixation

Technical parameters :

Apply to the product	IPX1, IPX2 test
Raindrop area	1000*1000mm
Diameter of the drip hole	∅ 0.4mm
Diameter of the turntable	∅ 600 mm
Height of the turntable	600mm
Rainfall	1-3 mm/min(±0.5mm/min)
Water volume regulation	Manual control
Raindrop board lift range	800-1800mm adjustable
Turntable lift range	Non-adjustable, fixed
Turntable loads	50kg
Angle of the turntable	0°OR 15°(Horizontal direction)
Turntable speed	1 r/min(IPX1)
Test time	0-999 min
Safety protection	Leakage protection, water shortage protection, short-circuit protection
Dimensions	1500*1200*2360 mm
power supply	AC220V±10% ; 50Hz ,1.0kw, Fire line+zero line+protective ground line(Resistance<4Ω)
Sample load power supply	AC220V±10% ; 50Hz

Terms of use :

Environmental requirements	<p>I Ground is flat, drainage is smooth, the ground and walls are waterproof, setting ground leakage or drainage ditches.</p> <p>I Well ventilated.</p> <p>I No strong electromagnetic field around.</p> <p>I No flammable, non-explosive, non-corrosive substances and dust around .</p> <p>I Rack and control box Distance: 800-1000mm.</p>
Temperature	5°C ~ 35°C
Humidity	≤85%
Atmospheric pressure	86kPa ~ 106kPa
Power supply conditions	<p>I Install the appropriate capacity of the leakage protection air switch for the device, the switch must be used independently of the device.</p> <p>I Do not use the knife-switch or power outlet.</p> <p>I Distance is no more than 2m from the air switch of creepage and equipment .</p>
Water conditions	<p>I The water pressure is not less than 0.2Mpa and a 4-point tap is installed.</p> <p>I The tap is no more than 2 meters away from the device.</p>

Accessories:

1. Filter element: 1pcs;
2. Test needles: 100 pcs;
3. Brass drip pin holder: 20 pcs

