

Product Categories

Goniophotometer

Spectroradiometer

Integrating Sphere

LED Test Instruments

CFL Testing Instruments

Photometer and Colorimeter

EMI and EMC Test Systems

Electronic Ballast Tester

Electrical Safety Tester

Environmental Test Chamber

Plug and Switch Testing


AC and DC Power Supply


Object Color and Glossiness Test


Mask Produce and Test Machine

Electronic Components Test

Related Applications

 Household Appliances Test Solutions

 Plug and Switch Test Solutions

 LEDs and Luminaire Test Solutions

Related Technical Articles

IP test standards and test requirements of Road Vehicles

The Relevant Test Standards of Switches for Household and Similar Fixed Electrical Installations Safety and Environment Test

What are the levels of the waterproof test system

The Status of Waterproof Test Equipment in China Market

The main differences between the LED driver standards ANSI / UL8750 and EN / IEC 61347-2-13

Basic Environmental Test for Luminaire According to IEC 60068

The development, application and test standards of LED street lights in the Southeast Asian market

AMA: LED Street Light above 3000K Bears More Health Risks

IEC60598 General Requirements and Testing

IEC 60529 (GB4208-2008) IP Protection Grade Waterproof and Dustproof test

LISUN Moves to New Office



Waterproof Test

Product No: JL-X

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JL-X waterproof test machine is according to [IEC60529:1989 +A1:1999 +A2 : 2013 《Degrees of protection provided by enclosures\(IP Code\)》](#) , [IEC60598](#), IEC60335 and IEC 60034-5, [GB/T-2423.2](#), [GB4208](#), [GB7000.1](#). The JL-X includes the following test grades: IPX1, IPX2, IPX3, IPX4, IPX5, IPX6, IPX7 and IPX8 (Refer to page 51 of [IEC60529](#)). It is widely used in the authentication test organization for the products such as electrical & electronic products, LED luminaires as well as in the relevant quality control department for the waterproof detection of the enclosures protection grades.

The whole JL-X waterproof test system includes:

- **Drip Box (JL-12):** The drip box is for IPX1 and IPX2 drip test. The drip box size is 800x800x75mm (LxWxH). The diameter of drip hole is 0.4mm. The distance between drip holes is 20mm. The sample can be over 150kg.
- **Swing Pipe Water Spray Test Equipment (JL-34):** It is for IPX3 and IPX4 test. The semi-diameter of swing pipe is 1meter (Any other size is also available). The inside diameter of the swing pipe is 15mm. The sample rotating table diameter is 1000mm (Or other size according to the diameter of the swing pipe), and the height is adjustable. The rotation speed is 1~5rpm which controlled by PLC panel.
- **Waterproof Jet Test Device (JL-56):** With water supply device size is 1000x1000x600mm, the nozzle diameter is φ6.3mm (IPX5) and φ12.5mm (IPX6). The water speed is 12.5 ±0.626L/min for IPX55 and 100 ±5L/min for IPX6
- **Immersion tank Waterproof test Device (JL-7):** It is for IPX7 test. The water tank size is 1000x1000x1200mm (Other size can be designed according to your request). It can test samples up to 120kg.
- **Immersion tank Waterproof test Device (JL-8):** It is for IPX8 test. It can simulate a water depth of 0~50m. The water immersion tank diameter is 600mm and the height is 1200mm. The compressive stress is 10 atmospheres or design according to customer's request.

Related Products

 JL-9K1L High Temperature Pressure Jet Waterproof Test Chamber

 SC-015 Dustproof Testing Machine

 IK07-10 IK Level Tester

 LVD-100KG Electrodynamic Vibration Generator System