

1. IPX1 IPX2 Rain Spray Test Chamber



Model: LX-IPX12A-600

Test standard:

Box Drips Test Device is designed according to the relevant standard requirements of IEC60529:1989+A1:1999 IPX1/2.

Application:

Rain/Spray Test Chambers applied to test the shell's waterproof effect of electronics, automobile and communication, using rainfall simulation to test the product's waterproof performance and assess the product's waterproof performance's loss classification.

Features:

- 1, S304 stainless steel water box and test chamber;
- 2, Box-type structure, water recycling;
- 3, Observation window: making use of tempered glass, durable;
- 4, A drop of rain flow: Frequency adjustable, adjusted manually;
- 5, Test nozzle: Stainless steel nozzle orifices can be replaced at any time according to requirements of the standard aperture.
- 6, Filter Action: Device standard filter to prevent clogging of the pinhole; the filter can be replaced periodically;
- 7, One key to start, automatic shutdown, simple intelligence.

Technical parameters:

Equipment parameters	
Item No.	LX-IPX12A-600
Inner size of the work room	800*800 mm
Dripping area	600*600 mm
Put the tube aperture water	0.4 mm of Diameter
Distance between the hole	20*20 mm
Test bench speed	1 r/min
Test bench diameter	600 mm
Test bench up-down adjusting range	200-300 mm
Test bench adjustable tilt range	15°
Testing time	0-999 min

2. IPX5 IPX6 Rain Spray Test Equipment



Item No.: LX-IPX56A

Test standard:

Outdoor waterproof testing equipment is designed according to the relevant standard requirements of IEC60529:1989+A1:1999 IPX5/6.

Application:

IPX5 IPX6 Rain Spray Test Equipment simulates the water drip environment to test the water resistance and sealing of the samples during storage, transportation and usage. It is widely applied to electrical and electronic products, lamps and lanterns, electrical cabinet, electrical components, automobile, motorcycle and its spare parts and other products. It provides the basis to improve the performance of the products.

Features:

1. Split type structure, safe and reliable, equipment rack and sample turntable all by the high quality aluminum alloy item No. and SUS304# stainless steel plate, ensures a long time use does not rust.
2. Turntable electrical part fully sealed to prevent water leakage, turntable use speed motor, speed in the standard range can be adjusted, and can control the forward and reverse rotation (suitable for the sample with the electric test).
3. Comes with a water tank, the water tank installed with the water level float valve automatically control the water, and there is a low level alarm detection, effectively prevent the water pump dry and turn damaged.

4. Electrical components used in all such as LG, Omron and other imported brands, wiring craft accord with the requirements of the national standard, panel layout is reasonable, firm connection and marked clearly.
5. Test time can be set 0-999M adjustable, the sample power with power time control function, IPX5 and IPX6 test a key conversion, a key to start, automatic stop, simple intelligence.
6. Spray nozzle: according to the relevant standard requirements of IEC60529

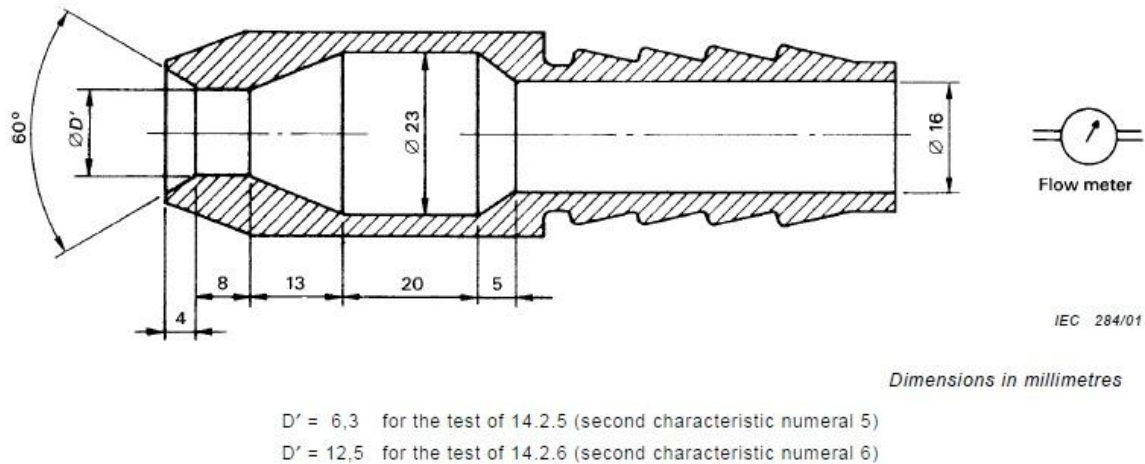


Figure 6 – Test device to verify protection against water jets (hose nozzle)

Technical parameters:

Equipment parameters	
Item No.	LX-IPX56A
Control system	(key type) time relay + switch
Exterior chamber size	W1026*D776*H1345 (mm) (Contain castor)
Water storage tank volume	420L, Size700×500×1200(mm), SUS304
IPX5 Spray nozzle diameter	6.3mm

IPX6 Spray nozzle diameter	12.5mm
IPX5 Water flow	12.5±0.625 L/min
IPX6 Water flow	100±5 L/min
Water pressure(Mpa)	adjustable
Water flow control	Valve for water flow regulation and shut off.
Space from nozzle to sample	2.5m-3m
Fixed method of spray gun	Hand Held
Water pump	Stainless steel multistage pump
Waterway material	Stainless steel + PPR pipe welding
Rotary table size	φ 600 mm
Rotary table power supply	AC220V
Material	SUS304
Protection device	Leakage, water shortage, short circuit
Power supply	380V
Power requirements	3 KW
According to	IEC60529:1989+A1:1999, GB4208, GB7000.(IPX5, IPX6)

3. IPX7 Water proof test machine



Item No.: LX-IPX700D

Test standard:

IPX7 water proof test machine is designed according to the relevant standard requirements of IEC60529:1989+A1:1999 IPX1/2.

Application:

IPX7 water proof test machine is used to test the sealing and water-proof property for external lighting, signal device, vehicle lamps shell protection. It provides a realistic water spray simulation condition of electronic products and components.

Features:

1. Leaching tank is a double-layer structure, the inner layer of the SUS304# stainless steel plate overall accuracy sub arc welding, ensure the long time use is not rust water, Intermediate with 40 square steel reinforcement, make the leaching tank is used for a long time won't because the stress and deformation, outer layer by the hairline stainless steel plate welding, using mirror stainless steel plate edge, Leaching tank appearance without solder joints on the overall appearance generous.
2. In and out of the water pipe below the water tank, hidden in a stainless steel base, the base has two external water valve switch, a inlet valve, a drain valve.
3. Stainless steel ruler display water level.

4. The observation window is made of 15mm toughened glass, and the test case of the test sample can be observed. Strong and durable for a long time use is not leaking.
5. Stainless steel frame with casters truck and foot cups for easy mobility and fixed.

Specifications:

Device parameters	
Item No.	LX-IPX700D
Internal Dimension	800*500*1500mm
External Dimension	880*850*1650mm
Test maximum depth	1.5m
Water level adjustment method	Manual adjustment
Water level display	Stainless steel ruler visually
Water tank material	SUS304

4. IPX8 Water Immersion Testing Machine



Item No.: LX-IPX8J

Test standard:

IPX8 water proof test machine is designed according to the relevant standard requirements of IEC60529:1989+A1:1999 , GB4208, GB7000.1

Application:

The device is primarily a test product performance when immersed in water environment, mainly applicable to the case of the outdoor lighting, diving lamps (flashlight), swimming pool lighting, automotive lighting, household appliances, electrical and electronics, communications and signaling devices and other products do protection class test (IP waterproof rating test). Dedicated to water protection level detection device is ideal for professional testing organizations test equipment, as well as other water equivalent test methods. After the test, to determine the performance of the product through the identification is able to meet the requirements, in order for use of the product design, improvement, identification and factory inspection.

Features:

1. IPX8 pressure immersion test device all use SUS304 stainless steel plate with high accuracy of the overall sub arc welding forming, outside the mirror polished, inner rough polishing, beautiful appearance, easy to clean and durable.
2. Case are all made of stainless steel welding forming, antirust and beautiful appearance, the human body design (can cover height just easy open cover operation and observation of the test case, the panel 45 degrees inclined mode button operation)
3. Full transparent flange cover for easy observation of the water situation in the test sample, 20mm thick tempered glass is firm and durable.
4. Special silicone sealing ring (elastic good never aging, a sealing ring can be used for ten years).
5. Using domestic big brand "Red Flag " brand pressure gauge, the surface diameter is 100mm, precision 1.6, intuitive display, high stability and accuracy, the gauge can pass the test of the national metrology units.
6. Safety valve all through the "Guangzhou special pressure equipment testing and Research Institute," inspection contract, each device is accompanied by a "safety valve inspection report" you can rest assured that use.
7. Electronic control components are all imported LG, Panasonic, Omron, and other brands, electromagnetic AIRTAC use genuine, durable.
8. Imported Panasonic brand "pressure sensor" automatic control test pressure, the pressure control range of -0.1-1.0Mpa, control precision 0.001Mpa.
9. Time control function, set the time 0-999 minutes to reach the test time can automatically stop the supply pressure and automatically drain the tank air, the test personnel to open the tank cover and remove the test sample.
10. Bottom seat is equipped with four activities with brake casters for easy mobility.
11. Note: the height, diameter and pressure range of IPX8 pressure water immersion test machine can be customized according to customer's request or product's size.

Specifications:

Device parameters	
Item No.	LX-IPX8J
Pressure adjustment method	Auto-Control
Pressure adjustment range	0.00-0.3Mpa
Test depth range	0-30m
The maximum limit pressure	0.4Mpa
Tank thickness	4mm
Tank diameter	0.5m
The water level inside the tank	0.5m
External Dimension	800*700*1000mm
Material of tank	SUS304
Time control	0 - 999Min
Protection function	Pressure safety valve protection, leakage switch
Voltage	AC220V
Power	100W
Weight	150KG
According to	IEC60529:1989+A1:1999 IPX8