Product Name: **IPX8 Defense Immersion Test Device**

Model No：AUTO-IPX8

Sample Limits:

This equipment is not allowed to do the following test:
To test or store samples which are flammable, easy to explode or easy to volatile.
To test and storage of corrosive material specimen
To test and storage of biological samples
To test and sample storage of strong electromagnetic emission.

Performance

Test environment:
The air flow around the equipment should be clear, no high concentration dust, non corrosive or flammable and explosive objects.
The installation place need to have water
Environment temperature: 5~35 ℃
Relative humidity; ≤ 85%RH

Technical Data

IPX8:
Testing device's height: 1200mm
Testing device's diameter: D=500mm
Pressure range:0~3kg/c㎡(Adjustable)
Test Depth of water: 0-30m
The material of testing device: the main structure are all made of stainless steel
Sample holder

Pressure way: Pneumatic
Pressure: 3 atmospheric pressure equal to 30m depth of water pressure test
Water temperature: room temperature
With visible water pipe to inspect water level, water level gauge (water level height can be read by the height gauge)

Operation Method:

1.Make sure the water inlet pipe and drain pipe of the equipment are well connected.
2.Open the box cover and put the specimen on sample frame,then close the box cover and tighten all the nut.
3.Connect the power and compressed air, the pressure≥5kg/c㎡
4 .Open the water valve.
5.Set the test time as required (such as 10min, then set 0010m, such as 10S,then set 0010S).
6.Open the inlet water valve, and add water to the height as the test required (The equipment is equipped with a liquid level pipe, can read the height of the water), and close the inlet water valve, then can test(IPX7, height is less than 850mm of the casing of the lows, should be less than the surface 1000mm; height is equal to or greater than the highest point of 850mm shell, 150mm should be lower than the surface of the water, test for 30min)
7.Press the intake pressure switch,adjust the intake pressure valve and then can add the pressure to test box, with a pressure gauge to display the current pressure (10 meters of depth of water is converted into pressure is 1kg or 0.1Mpa)
8 .When the pressure is done, and the intake pressure switch is closed,then can test (IPX8).
9.After the test, the device will automatically discharge internal pressure,wait pressure gauge pointer back to 0 ,and then open the box cover and remove the trial.
10.After the test, discharge the water, in order to avoid the deterioration

Meet the standard:

GB4208-2008 IEC60529-2001 (IPX8)

Features:

1 Structural features
1.1 structure;
Tank material; SUS304 stainless steel plate, shell electrostatic spraying treatment.
The sample frame material: stainless steel SUS304
1.2 Control panel:
The time controller, the operation button

1.3 Main configurations
Pressure gauge, timer, power distribution control cabinet
1.4 Power distribution control cabinet:
The power distribution board, the total power leakage circuit breaker
2.Controller:
The time controller: 1S~99h
Pressure gauge: pointer

Standard configuration:

Cable x 1piece
Equipment manualx1piece
Warranty card x 1piece
Certification x 1piece

Attentions:

1.The equipment must be reliable grounded
2.Keep the test specimens clean when testing
3.If there is abnormal noise when running, please stop and check the machine, after check out and solve the fault, then can restart, to avoid influencing the life of the equipment.
4.The pressure gauge need to be calibrated 1 times every half year.

Protection device:

Leakage protection
Unloading pressure protection (When test is over, automatically releasing pressure)

Equipment using site requirements:

The installation site should have water source.
The installation site should have compressed air, the pressure is ≥5kg/c ㎡
The installation site area: 2*2 (m)
The installation site of power: 200V 50HZ
The installation site should have outfall.
The distance between the adjacent walls or objects should be 60cm or more.
The temperature of installation site should avoid drastic changes.
Should be installed on flat ground, no direct sunlight, and well ventilated.
Should be installed away from place where have combustible, explosives and high temperature heat source .
Should be installed in less dust place and near the power supply place.

Environmental conditions:

Temperature: 5~35 ℃
The relative humidity ≤ 85%RH

. Air pressure: 86~106kpa
Equipment power supply:
Power supply: 200V 50HZ
Voltage allowable range: ±10%

Warranty:

One year under proper using condition.