

100L Water Immersion Soaking Test Chamber 100m Depth Simulation Touch Type

Our Product Introduction

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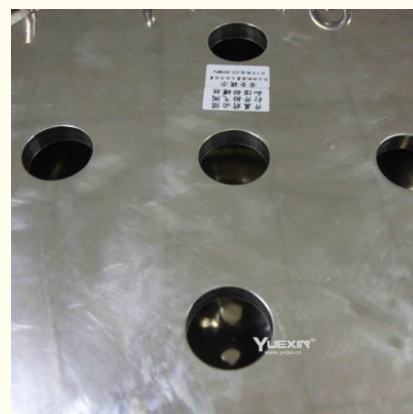
Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013, DIN 40050-9:1993, IEC60529:2013
- Model Number: YX-IPX8-100TC-100L
- Minimum Order Quantity: 1 pcs
- 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

- IP Grade: IPX8
- Test Scenario: Environment Of Long Term Immersion Up To A Specified Pressure
- Depth Range: 1-100m
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Material: 304 Stainless Steel
- Opening Method: Cylinder Drive
- Type: Touch Type
- Pressure Accuracy: 1 KPa
- Volume: 100L
- Highlight: 100L Water Immersion Soaking Test Chamber , Water Immersion Soaking Test Chamber



More Images



Product Description

100L Water Immersion Soaking Test Chamber 100m Depth Simulation Touch Type

Product introduction:

The IPX8 immersion test equipment is a specially designed testing instrument for evaluating the waterproof performance of products. It can simulate a water pressure environment of up to 100 meters, and features a touch-sensitive operation interface for easy setting and control of test parameters. The main body of the equipment is made of high-quality materials, with a cylinder-driven lid to ensure sealing. By passing tests conducted with this equipment, products can be ensured to maintain their waterproof performance in extreme underwater environments.

The device is equipped with a pressure sensor, which can display the internal pressure change synchronously.

The tank cover is fastened with stainless steel can lid flange fasteners, and the seal is firm.

Timing is performed by a time relay, and timing starts after the internal pressure reaches the set value.

After the test is complete, the device automatically vents the pressure.

The tank cover is connected with a mechanical safety valve. If the set pressure exceeds the set pressure, the safety valve will release the pressure directly to ensure the safety of users.

The tank lid is lifted and lowered by cylinder driving to reduce operating pressure.

If the user needs to provide an external power supply for the sample, we can open a hole in the lid and provide a locking device (wire diameter <15mm)⁵.

Detail images:



rod

relief valve

guide

Use scene:

The IPX8 Pressure Immersion Test Machine is primarily intended to replicate various underwater depths and assess the waterproof qualities of product casings. Its testing scope is vast, including electronic devices, outdoor lighting, automotive components, communication gadgets, drones, watches, and more. By utilizing compressed air to elevate water pressure, it simulates real-life underwater conditions to ascertain whether products retain functionality when submerged. This apparatus is crucial across diverse industries for guaranteeing product dependability.

General specifications:

Outer dimension	Approx W 610×D 730×H 1050 (mm)
Pressure accuracy	1 kPa
Power supply	220V/50Hz

Power	100w
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The technical data:

Item	Specification
Thickness of lid	15 mm
Flange thickness	20 mm
Tank thickness	3 mm
Equipment net weight	Approx 120 kg
pressure range	0-300 kPa
Water depth(maximum)	100 meters
Adjustment method	Automatic adjustment
Opening method	cylinder drive
Pressure accuracy	1 kPa
pressure error value	±2 kPa
Set pressure of safety valve	0.35 Mpa(350kPa)
Testing time ⁶	0-999 s/min/h
power supply	220V/50Hz
power	100 w

Remark:

- 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 The formula of the corresponding relationship between pressure and water depth: $P=9.8d$ (Unit :kPa,m).
- 5 Please wear insulating gloves during power-on test to avoid personal safety problems.
- 6 The time unit of the test can be freely selected, and it can be adjusted through the time relay before starting the test.
- 7 The user needs to prepare an air compressor in advance (recommended gas storage capacity > 60L). If you need us to buy it on your behalf, you need to explain in advance.
- 8 The photos may not match the actual ones, and are for user reference only.

About us:





Tags: Water immersion test equipment, IPX8 waterproof test equipment, Environmental testing machine

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