

30m 100L Water Immersion Test Equipment For IPX8 With Overpressure Protection

Our Product Introduction

for more products please visit us on raintestchambers.com

Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013, DIN 40050-9:1993, IEC60529:2013
- Model Number: YX-IPX8-30A-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: 1-30m
- Material: 304 Stainless Steel
- Pressure Accuracy: 1 KPa
- Opening Method: Cylinder Drive
- Type: Button Type
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Volume: 100L
- Highlight: IPX8 Water Immersion Test Equipment, 100L Water Immersion Test Equipment, 30m Water Immersion Test Equipment



More Images



Product Description

30m 100L Water Immersion Test Equipment for IPX8 with Overpressure Protection

Product introduction:

The IPX8 water immersion testing apparatus is engineered to evaluate the waterproof integrity of product casings. It simulates environments down to depths of 100 meters, demonstrating exceptional proficiency in deep waterproof evaluations. The apparatus sports a button-based design for straightforward operation and includes a manually operable lid, easing the process of sample insertion and removal for testers. Additionally, its precision detection accuracy ensures that products maintain top-notch waterproof performance in even the most demanding underwater conditions.

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.

Application:

Across multiple industries, the IPX8 water immersion testing apparatus is extensively adopted. In the realm of electronics, it plays a crucial role in testing the waterproof characteristics of items like smartphones, smartwatches, and underwater cameras. Additionally, it is also deployed in automotive parts, household appliances, outdoor lighting systems, and military equipment, safeguarding the stability and reliability of these products in severe underwater conditions. By replicating extreme water pressure environments, the IPX8 water immersion testing apparatus provides valuable support for product development endeavors and quality control measures.

Detail images:



safety valve

control panel

General specifications:

Outer dimension	Approx W 610×D 730×H 1050 (mm)
Pressure accuracy	1 kPa
Power supply	220V/50Hz
Power	100w

The technical data:

Item	Specification
Thickness of lid	15 mm
Flange thickness	20 mm
Tank thickness	3 mm
Equipment net weight	Approx 90 kg
pressure range	0-300 kPa
Water depth(maximum)	30 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

YUEXIN® Guangzhou Yuexin Test Equipment Co., Ltd.

☎ 18122303372 ✉ mft@yxipx.com 🌐 raintestchambers.com

101, No.3, Jiangjunzi Road, Dalong Street, Panyu District, Guangzhou City China