

50m IPX8 20L Waterproof Immersion Soaking Test Chamber With Pressure Sensor

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-IPX8-50A-20L
- 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
- Pressure Accuracy: 1 KPa
- Test Scenario: Environment Of Long Term Immersion Up To A Specified Pressure
- Type: Button Type
- Depth Range: 1-50m
- Material: 304 Stainless Steel
- Opening Method: Cylinder Drive
- Power: 100w
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Highlight: **50m Waterproof Immersion Soaking Test Chamber**
,
20L Waterproof Immersion Soaking Test Chamber
, **Waterproof Immersion Soaking Test Chamber**



More Images



Product Description

50m IPX8 20L Waterproof Immersion Soaking Test Chamber with Pressure Sensor

Product introduction:

Utilized for assessing the waterproofness of products, the IPX8 water immersion testing device stands as a premium instrument. It can recreate underwater scenarios equivalent to a water pressure of 50 meters, enabling precise pressure settings through an integrated pressure sensor. The equipment boasts a straightforward button-style interface for operational simplicity. During testing, the product must function normally while fully submerged in water to validate its water-resistant properties.

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:



sample basket

exhaust valve

Usage:

The IPX8 water immersion testing equipment is widely applied across multiple industries. In the electronics sector, it is used to test the waterproof performance of smartphones, smartwatches, underwater cameras, and more. Furthermore, this equipment is also utilized in the automotive components, household appliances, outdoor lighting, and military industries, ensuring the stability and reliability of these products in harsh underwater environments. By simulating extreme water pressure conditions, the IPX8 water immersion testing equipment provides strong support for product development and quality control.

General specifications:

Outer dimension	Approx W 460×D 580×H 920 (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 50 kg
pressure range	0-300 kPa
Water depth(maximum)	50 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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