

## IPX8 10m 100L Water Immersion Test Equipment For Underwater Cameras And Watches

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-IPX8-10A-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
- Pressure Accuracy: 1 KPa
- Test Scenario: Environment Of Long Term Immersion Up To A Specified Pressure
- Depth Range: 1-10m
- Material: 304 Stainless Steel
- Type: Button Type
- Opening Method: Cylinder Drive
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Volume: 100L
- Highlight: IPX8 Water Immersion Test Equipment, SS304 Water Immersion Test Equipment, 10m Water Immersion Test Equipment



### More Images



## Product Description

### IPX8 10m 100L Water Immersion Test Equipment for Underwater Cameras and Watches

#### Product introduction:

The IPX8 water immersion test device is a specialized tool intended to assess the waterproof qualities of product enclosures. Capable of mimicking conditions at depths reaching 10 meters, it excels in conducting rigorous waterproof tests. The device incorporates a button-operated interface for seamless usage and permits manual lid opening, aiding testers in placing and retrieving samples. Furthermore, its high-precision detection capabilities guarantee that products retain superior waterproof performance even in challenging underwater settings.

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)<sup>5</sup>.

#### Application:

The IPX8 immersion testing equipment for water resistance is widely utilized in numerous industries. Within the electronics industry, it is instrumental in evaluating the waterproof qualities of devices such as smartphones, smartwatches, and underwater cameras. Moreover, it is also used in automotive components, household appliances, outdoor lighting fixtures, and military applications, ensuring the stability and reliability of these products in harsh underwater settings. By mimicking extreme underwater pressure situations, the IPX8 immersion testing equipment offers robust support for product design and quality control processes.

#### 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 65 kg
pressure range	0-300 kPa
Water depth(maximum)	10 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 <sup>6</sup>	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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