

## 30m Immersion Testing Machine , IPX8 20L Immersion Soaking Test Chamber

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-IPX8-30A-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
- Depth Range: 1-30m
- Material: 304 Stainless Steel
- Type: Button Type
- Opening Method: Cylinder Drive
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Volume: 20L
- Highlight: 30m Immersion Testing Machine , 20L Immersion Testing Machine , IPX8 Immersion Testing Machine



### More Images



## Product Description

### 30m Immersion Testing Machine , IPX8 20L Immersion Soaking Test Chamber

#### Product introduction:

The IPX8 water immersion testing apparatus is a sophisticated tool designed to evaluate the waterproof capabilities of products. Capable of mimicking underwater conditions as extreme as 30 meters of water pressure, it allows for precise adjustment of test pressure via a pressure sensor. Featuring a user-friendly button-style operation, the equipment ensures ease of use. Throughout the testing process, the product must be completely immersed in water while maintaining functionality to confirm its water resistance.

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 water immersion testing device finds broad application in various sectors. Specifically in electronics, it serves to assess the waterproof capabilities of smartphones, smartwatches, underwater cameras, among others. Additionally, it is employed in the automotive parts, home appliances, outdoor luminaires, and military fields, guaranteeing the robustness and dependability of these products under severe underwater conditions. Through the simulation of extreme water pressure scenarios, the IPX8 water immersion testing device offers substantial assistance in product innovation and quality assurance.

#### Detail images:



inlet and outlet  
tank

#### 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)	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 <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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