Precise Visual Water Leak Testing Equipment 10m For Systems / Components Detecting Leak

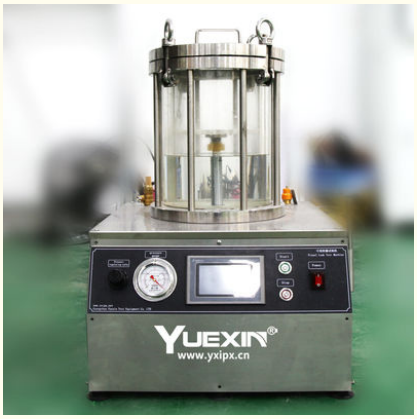
Our Product Introduction

Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013, DIN 40050-9:1993, IEC60529:2013
- Model Number: YX-JL-Q10-40L
- 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

- Name: Water Leak Testing Equipment
- Test Function: IPX8 Water Immersion Test Leak Test
- Experimental Scene: Immersion Environment
- Power: 100w
- Power Supply: 220V/50HZ
- Controller: 4-inch Touch Screen + PLC
- Water Depth Range: 1-10 Meters
- Turn Table Load Bearing: 10KG
- Highlight: **Water Leak Testing Equipment 10m**, **Visual Water Leak Testing Equipment**, **Precise Water Leak Testing Equipment**



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Product Description

10m Mobile Visual Leak Detection Device, Precise Leak Visualization Equipment

Product size and material:

External dimension: Approx W 800×D 500×H 1000 (mm)
External material: 304 stainless steel
Internal dimension: Approx φ350×H 400 (mm)
Internal material: Acrylic

Test principle:

IPX8 test:
By filling the tank with compressed air and increasing the water surface pressure, the pressure in the water increases synchronously, thereby simulating different water depth environments.

Positive pressure leak test:
First place the sample in a pressurized environment, if there is a leak, the gas will enter the inside of the sample, thereby increasing the internal pressure.After a period of pressurization, the sample is submerged underwater; Then the compressed air is released to form a pressure difference inside the sample, and the internal gas will be discharged to form continuous bubbles in the water. The leak point is where the air bubbles come out.[5]

Product outline:

For meticulous leak detection, the Air Pressure Visual Leak Locator stands as a specialized solution. Employing advanced air pressure technology, it meticulously scans for leaks, while the visual interface simplifies the task of identifying the leak's precise location. This enhanced efficiency and accuracy render it a cornerstone tool in maintaining quality standards and safeguarding product integrity.

The test container is made of acrylic material, which is convenient for users to observe and record[6].
Built-in high-precision pressure sensor, which can display internal pressure changes synchronously.
The tank cover is connected with a mechanical safety valve (not controlled by the software). If the set pressure exceeds the set pressure, the safety valve will release the pressure directly to ensure the safety of users.
Controller: 4-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple languages[7].

Working scene:

Visual leak detection devices find widespread application in various industries, spanning chemicals, oil & gas, pharmaceuticals, and manufacturing. They efficiently detect even the smallest leaks in compressed air systems, vacuum installations, steam pipelines, and pressure vessels. By employing visualization technology, these tools enable precise leak localization, leading to improved inspection efficiency and bolstered safety in production processes.

Standard features:

Item	Specification
Thickness of lid	20mm
Flange thickness	20mm
Tank thickness	20mm
Equipment net weight	Approx 80kg
Pressure range	10kPa-500kPa
Water depth range (positive pressure)	1-10 meters
Adjustment method	Automatic adjustment
Pressure accuracy	1 kPa
Pressure error value	±2kPa
Set pressure of safety valve	0.55Mpa(550kPa)
Testing time[8]	0-999999S
Power supply	220V/50Hz
Power	100w

Installation requirements:

Water source: Please prepare clean water source.
Air source: Please prepare a compressed air source with an output pressure of 0.6-0.8Mpa[9].
Power supply: 220V/50HZ, 100w please check whether it is compatible.
Site space: ≥W800×D800×1200mm

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 Sometimes there are gaps on the surface of the product's shell, but this part will not last for a long time or bubbles

occasionally. Usually, the condition for us to judge whether it is leaking is: observe continuous bubbles.If the product is small and there is almost no space inside (such as lamp beads), the judgment standard is stricter:: that is, if there are air bubbles, it will be judged as leakage.
6 It is necessary to avoid scratching the inner wall of the container by the sample, as scratches will affect the observation and video effects.
7 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.
8 The time unit set by the factory is generally in seconds. If you want to extend the test time, you need to explain in advance.
9 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.
10 The photos may not match the actual ones, and are for user reference only.

The detail pictures of product:

jar

control panel

Tags: Leak Visualization Machine , Visual Leakage Inspection Instrument , Leak Detection Device

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