

30m Desktop Visual Leak Detector , Accurate Leak Detection Machine

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-JL-Q30-10L
- 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: Visual Leak Detector
- Test Function: IPX8 Water Immersion Test Leak Test
- Water Depth Range: 1-30 Meters
- Power Supply: 220V/50HZ
- Power: 100W
- Experimental Scenarios: Immersion Environment
- Controller: 4-inch Touch Screen + PLC
- Turn Table Load Bearing: 5KG
- Highlight: 30m Visual Leak Detector, Desktop Visual Leak Detector, Accurate Leak Detection Machine



More Images



Product Description

30m Desktop Visual Leak Detector, Accurate Leak Detection Machine

Product size and material:

External dimension: Approx W 620×D 420×H 710 (mm)
External material: 304 stainless steel
Internal dimension: Approx $\phi 200 \times H 300$ (mm)
Internal material: Acrylic

Application:

Visual leak detectors are widely utilized across industrial sectors, including chemicals, petroleum, natural gas, pharmaceuticals, and manufacturing, for swiftly detecting minute leaks in compressed air systems, vacuum systems, steam pipelines, and various pressure vessels. They leverage visualization technology to precisely pinpoint leak locations, thereby enhancing inspection efficiency and bolstering production safety.

Test principle:

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:

The Air Pressure Visual Leak Detection Test Machine is a specialized equipment designed for detecting leaks in various systems or components. It utilizes air pressure to test for any potential leaks, while the visual component allows for easy identification of the leak source. This machine is highly efficient and accurate, making it an essential tool for quality control and ensuring product integrity.

The test container is made of acrylic material, which is convenient for users to observe and record⁶.

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 languages⁷.

Standard features:

Item	Specification
Thickness of lid	20mm
Flange thickness	20mm
Tank thickness	20mm
Equipment net weight	Approx 50kg
Pressure range	10kPa-500kPa
Water depth range (positive pressure)	1-30 meters
Adjustment method	Automatic adjustment
Pressure accuracy	1 kPa
Pressure error value	± 2 kPa
Set pressure of safety valve	0.55Mpa(550kPa)
Testing time ⁸	0-999999S

Installation requirements:

Water source: Please prepare clean water source.

Air source: Please prepare a compressed air source with an output pressure of 0.6-0.8Mpa⁹.

Power supply: 220V/50HZ, 100w please check whether it is compatible.

Site space: $\geq W800 \times D800 \times H1200$ mm

Notes:

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.

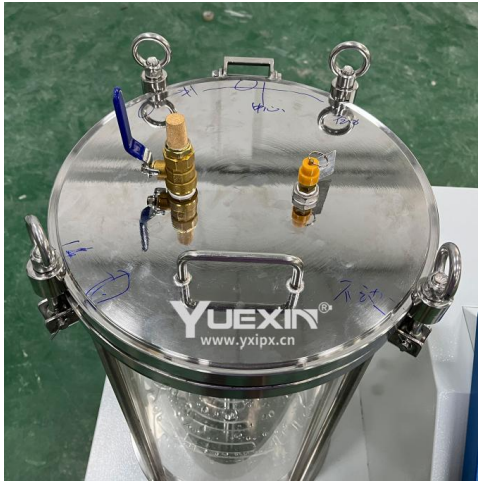
8 The time unit set by the factory is generally in seconds. If you want to extend the test time, you need to explain in advance.

9 The user needs to prepare an air compressor in advance (recommended gas storage capacity > 60L). If you need us to buy

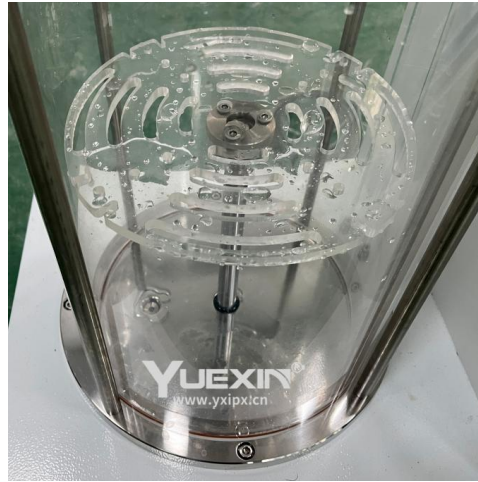
it on your behalf, you need to explain in advance.

10 The photos may not match the actual ones, and are for user reference only.

The detail images of product:



top of a jar



jar

Tags: Leak Visualization Machine , Leak Inspection Machine with Visual Display , Leak Detection Device



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