

Attention:

● If consulting is needed, please inform the model of the instrument and the order code. (This Gastight Tester's model is **XT7648F**, and the order code is **D8905XY**.) Our technical services staff will quickly give professional users guidance according to the model and the code.

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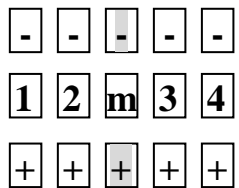
Gastight Tester - XT7648F



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- Details for t1: a variety of containers will have varying degrees of deformation while internal pressure is changing. This deformation will affect the accuracy of the test. The lasting time and the degree of the deformation depend on the containers' shapes and materials. After while the internal pressure stop changing, the deformation will reduce until stop. To determine t1, experience or actual measure is strongly recommended.

How to set the detecting time



- The press-key use to reduce the test time
- the press-key use to set the test time and the measure of time
- the press-key could increase the test time

the press-key upper and lower “m” use to change the

measure of time. In turn can be changed as follows: hours (h), minutes (m), seconds (s).

Q&A

Q: Why the blue light is off, after power on and presses the "start" button?

A: Such instance occurred when the measured components leak badly, or the output pipe did not connect very well. Press the stop button, and check the connection of the pipe or replace a measured component, then restart the Tester.

Gastight Tester - XT7648F

Abstract

Gastight Tester - XT7648F (hereinafter referred to as: Tester) is one of the XT76 series Gastight Tester of our company, dedicated to all kinds of medium voltage workpiece or container (such as valves, piping, air pillow, water tanks, airbags, confined Workplaces, vehicles tube, battery casings, etc.) to carry out air tightness testing. According to the actual needs of the user, Tester can set not

only the value of the pressure testing, testing time, but also on the limits of qualified and unqualified value set.

The major technical indicators

1. Pressure detection range: 0 ~ 100KPa, resolution 0.1Kpa
2. . Testing time: 0 to 99.99 (unit: hours, minutes, seconds)
3. The range of determining qualified products: the whole range
4. Connector: \varnothing 8 PU tube
5. Size: $470 \times 230 \times 230 \text{ mm}^3$.
6. Power Supply: $220 \pm 10\% \text{ V AC } 50\text{Hz}$
7. Whole power consumption: $<35\text{VA}$

Operation and usage

- Firstly, do not connect into the gas source. Set up "Testing pressure: AL1", "Allowed deviation value of qualified product: AL2", "Value of the automatic reset: Fv", "Pressure-keeping time: t1" and "Testing time: T0", before the start of the test.

- Secondly, Adjust the pressure of gas source: Gently pull out the regulator handle which of the right side of the test instrument, anti-clockwise rotation the handle turn to the minimum position, Maintain the slide valve in the closed position, Press the green start button, then clockwise rotation of the handle, let the pressure value displayed on the monitor slightly greater than the Testing pressure. For example, testing pressure is 30.0Kpa, then adjust the handle, make the monitor displays about 31.0Kpa. Here you can start testing, daily operation do not need the above operations every time.
- Press the "start" button, the pressure indicator will show the changes in pressure system (If the pressure does not show an increase or cannot reach " Testing pressure AL1", check the air source or connections of the measured part), and the rest test process will start automatically.
- The blue-light automatically turn on means the pressurization is done, and the tightness test is beginning. After holding pressure time (T1) , First

row display lock the Maximum testing pressure of this time, the second row display will keep the testing pressure on track.

- After testing time (T0), the blue lights off automatically, said the test is end.
- Green (or Red) light on said that the leakage is less (or more) than the allowed deviation value of qualified product (AL2), which means the measured components is qualified (or unqualified).
- When measured pressure was lower than the Fv during the downtrend, system will remove the previous maximum data automatically.
- If pressed the "start" button again, the system will remove the previous test results automatically, and start the next test.
- During the test, press the "stop" button at any time can terminate the test and remove the test results.

- After accessed to power, press the "SEL" key for 6 seconds, then the Tester enter the set up model.
- After change parameters , Press "S" button to save your changes
content; complete all the changes, then press "Q" key to exit setting state;
- Testing pressure: AL1. Usually set the scope of 10% to 90% of the highest pressure, units: KPa.
- Allowed deviation value of qualified product: AL2. Usually set the scope of 1% to 80% of the highest pressure (must be less than AL1), unit: KPa.
- Value of the automatic reset: Fv. Usually set the scope of 20 to 50% of the highest pressure (must be less than AL1), unit: KPa.
- Pressure-keeping time:t1.Usually set the scope of 0~90.0s(must be less than T0),unit:S.

Parameter and setup