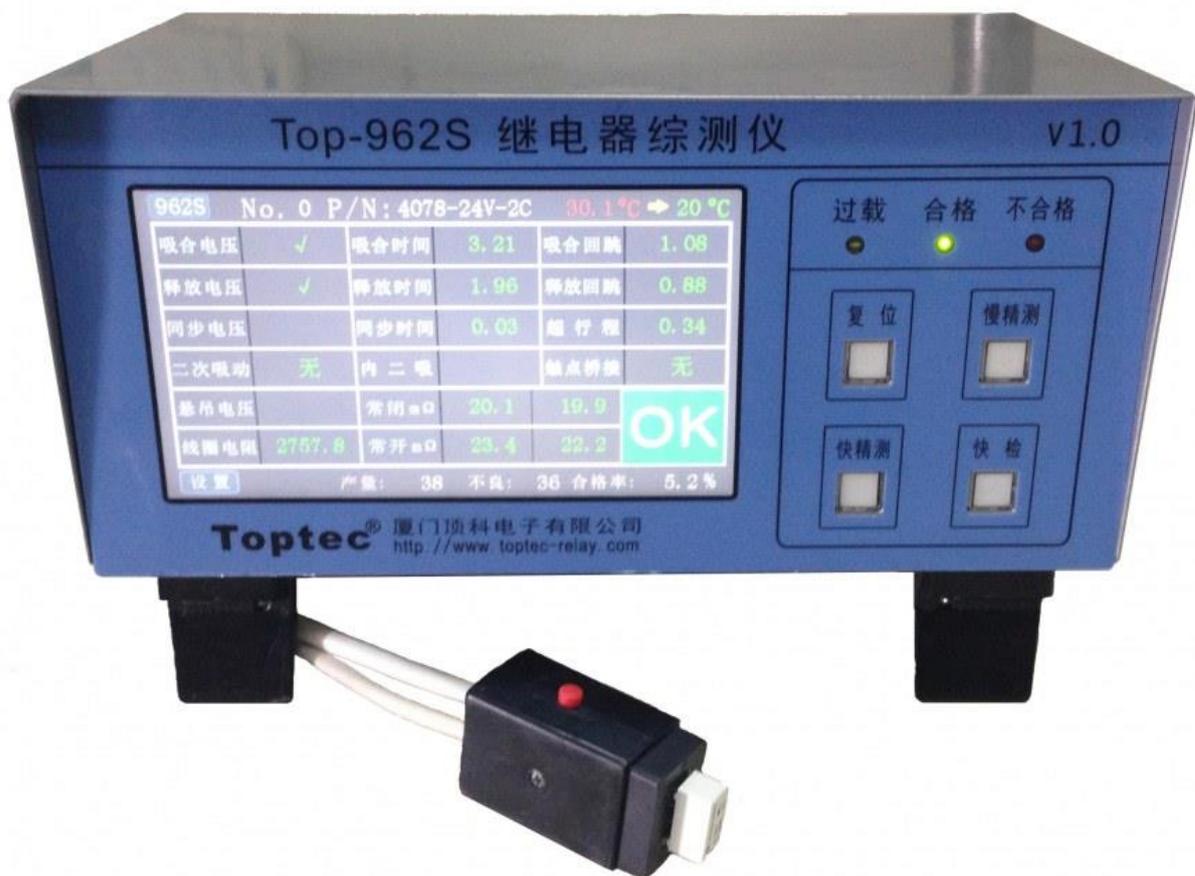


The user's manual of Top-962S Relay Test Instrument



(Product images are for reference only, please make the sales as the standard)

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FOREWORD

There is over 20 years for XIAMEN TOPTTEC ELECTRONICS CO.LTD in relay test and measurement field. XIAMEN TOPTTEC ELECTRONICS CO.LTD has extensively absorbed domestic and foreign advanced relay testing technologies, integrated the advantages of Top-962C Relay Test Instrument and Top-962A Relay Test Instrument , Top-962S Relay Test Instrument with the most advanced and reliable high-accurate single chip computer and AD/DA devices is launched grandly, which has complete test parameters and high performance-to-price ratio.

Particularly, Top-962S Relay Test Instrument is high reliability、 anti-interference and good anti-jamming.

Main function:

1. Test NO/NC/C electromagnetic relay coil resistance ,contact resistance, operate voltage, release voltage, operate time、 release time、 bounce time 、 synchronization time、 synchronous voltage, transfer voltage, contact short-circuited and other parameters;
2. The maximal number of contact of relay can be tested: 2C
3. Three test methods: Q.D (quick detection), Q.P.T(quick precision test) , S.P.T(slow precision test);
4. Friendly human-machine interface, 7-inch color touch-screen display of testing value, substandard indicator, unqualified parameter highlighted red, operating is simple and intuitive;
5. Test time: S.P.T time 1.8s/pc, Q.P.T time 1.6s/pc, Q.D time, 0.3s/pc;
6. RS232 communication interface, testing data is able to be displayed, printed, stored and counted in PC. Also parameters can be setting by PC via RS232 communication interface (* optional features, extra pay)
7. With qualified/unqualified outputs interface, has strong anti-interference ability, can connect to the automatic test equipment perfectly.
8. When the output is short-circuited or overload, the instrument automatically cuts off the output, protection feature is improved;
9. Up to 12 months free warranty and thoughtful after-sales service . Wearing parts (color touch screen);
10. We also provide more than 100 kinds of basic test sockets for relays, it is extremely convenient to replace the test species .

Executive standard:

GJB 65B-99 General specification for the reliability of electromagnetic relay

IEC61810-7 Electromechanical elementary relays –Part7 : Test and measurement procedures

Relay Test Instrument, Test Instrument has three national invention patents, patent number is followed:

ZL200710009739.9

ZL200710009740.1

ZL200710009138.4

Technical parameters

1.1 Coil resistance test: the test conditions: < 15mA, the testing range: is divided into two ranges:

range1: **10Ω -800Ω, resolution 0.2Ω, measurement error: ± 1% ± 0.5Ω;**

range2: 0.8kΩ-8kΩ, resolution: 2Ω, measuring error: ± 1%;

1.2 Contact resistance test:

test conditions: open-circuit voltage: DC 6V ,DC 24V two categories (voltage error: ± 5%);

closed-circuit current: DC 0.1A,DC1A, two categories (current error: ± 1%);

test range: 0-800m, resolution: 0.2m;

measurement error: ± 1% ± 1m;

1.3 Operate voltage /release voltage:

1.3.1 The testing range: DC 0V-24V (ripple ≤ 1%), output current: 300mA;

resolution: 0.01V, measurement error: ± 1% ± 0.03V;

1.3.2 Testing range: DC 24V-48V (ripple ≤ 1%), output current: 120mA, resolution: 0.03V,

measurement error: ± 1% ± 0.03V;

1.4 Operate time/release time: measuring range: 0-60ms, resolution: 10us,

measurement error: ± 1% ± 10us;

1.5 NO bounce time / NC bounce time: measuring range: 0-60ms, resolution: 10us,

measurement error : ± 1% ± 10us;

1.6 Synchronization time: measuring range: 0-10ms, resolution: 10us,

measurement error: ± 1% ± 10uS;

1.7 Synchronous voltage: test voltage: 0-20% of rated voltage, resolution: 0.01V;

1.8 Transfer voltage: test voltage: 0-20% of rated voltage, resolution: 0.01V;

1.9 Contact short-circuited: detect the presence of short-circuited faults between NO and NC;

1.10 Ambient temperature: measuring range:5-40℃, measurement error: ± 1 ℃;

1.11 Parameters setting capacity: 100 kinds;

1.12 Display mode: full screen 7-inch color touch-screen display;

1.13 Qualified/unqualified signal output: contact output

Contact output: 1-way qualified signal, 8-way unqualified signal(unqualified signal is divided to eight kinds);

1.14 RS232 communication interface testing data is able to be displayed ,printed, stored and counted in PC . Also parameters can be setting by PC via RS232 communication interface (* optional parts, extra pay)

1.15 Volume: length 285mm×height 110mm×width 175mm

1.16 Mass: 5.5kg

The instrument has a special function that you can calibrate the testing accuracy and test the temperature of the instrument easily without opening the outer case of the instrument. But take into account the standards instrument of customers may not all, calibration methods may not be correct, we do not recommend customer to calibrate the instrument himself. In order to ensure the instrument accurate and reliable, we suggest that the customer sends the instrument back to us for calibration and maintenance regularly. Non-professionals shall not disassemble the apparatus to adjust in order to avoid mess instrument and affect your use.

Special Note: The test fixture must not be hot-plugged when it is been tested. The test fixture cannot be pulled out or plugged in only after the instrument has been shut down.

Special Note:

· XIAMEN TOPTEC ELECTRONICS CO.LTD will do his best to provide you with accurate, comprehensive information, and we are not responsible for the possible errors or omissions in the information.

· Product images are for reference only. Please make the sale as the standard.

· If there is any change of the above content without prior notice.

Service

Those who purchases Top-962S Relay Test Instrument (V1.0) from XIAMEN TOPTEC ELECTRONICS CO.LTD, under normal conditions of use, the warranty period is 12 month from the date of purchase. , except wearing parts (touch screen). Damage caused by improper operation or repairing by yourself does not enjoy warranty treatment.

service hotline 0086-592-5934778

Complaint call 0086-13606002690

Technical QQ:12582075

Sale QQ:1220037028

