

**ON-line ICT Tester I.C.T-Q588A**



**Introduction:**

The test points out of the PCB layout are contacted by the test probe to detect the open circuit, short circuit and the soldering of parts, which can be divided into open circuit test, short circuit test, resistance test, capacitance test, diode test, triode test, FET test, IC pin test and other missing and wrong installation, parameter value deviation, solder joint continuous welding Circuit board open short circuit and other faults, and output the fault condition

**Features:**

1. Equipped with EC jet test technology
2. Design of CMOS + replay switch card
3. True broadband test technology
4. Humanized win7 interface, simple operation and easy to use
5. Powerful board view
6. Five wire test technology, up to four terminal components can be tested
7. ATPD automatic test program debugging
8. Improve statistical analysis reports and effectively monitor production quality

**Configuration:**

No.	Item	Original
1	drive motor、reducer	Panasonic, Mitsubishi, Oriental, SEW, Seiken, Fuji
2	Inverter	Schneider, Mitsubishi, Panasonic
3	PLC	Mitsubishi, Omron, Panasonic
4	Slide rail, linear guide	Taiwan MISUMI
5	Solenoid valve	SMC, AirTAC
6	Software	Win 7(English)
7	Printer	Epson receipt printer
8	Infrared protection	China

**Specification:**

Model	I.C.T-Q588A
PCB Size	500mm x 350mm(STANDARD)
Test points	256points Standard(1024points is optional)
Test steps	No Limited

Switch Card	128/port
Isolated points	10 steps for each test, can automatically learn to isolate
The test speed	0.5sec/1024 points(Open/Short) 2ms ~ 40ms/step(component test)
signal source(conventional)	ACV:10mVpp ~ 10Vpp DCV : $\pm 10\text{mV} \sim \pm 7.5\text{V}$ or 15V
signal source(Frequency)	100、1000、10K、100KHz、2MHz、(50Hz)
Test frequency	AC 100 ~ 100KHz
Test range	Resistance: $0.05 \Omega \sim 100\text{M} \Omega$ ( 2-wire) $\pm 1\% - 5\%$ (four wire) $\pm 10\text{m} \Omega$ . Capacitance $1\text{pf} \sim 40\text{MF}$ $\pm 2\% - 5\%$ . Inductance $1\mu\text{H} \sim 50\text{H}$ , $\pm 2\% - 5\%$ . Diodes $0.1 \sim 9\text{V}$ $\pm 1\% - 3\%$ . Zener diode: $0.1 \sim 15\text{V}$ $\pm 1\% - 3\%$ . Transistor : Measurement of VCE saturation voltage at three terminals of transistor $\beta$ value. FET : Three terminal test of field effect transistor VDS, CDs, RD (on). Optical coupler and circuit breaker : four terminals to test its conduction voltage or resistance.
Polarity test of electrolytic capacitor	3 end test
Impedance series parallel	Multi frequency test method or amplitude phase method are adopted(8 degrees ~ 82 degrees)
Featured optional features	Micro-resistor (four-wire type): Minimum $50\text{m} \Omega$ (four-wire) $\pm 10\text{m} \Omega$ DRMode: Can measure diode or IC forward parallel leakage and empty welding Key Function: The program is suspended during the key test, and the quality of the key is checked with manual operation.: automatic stamp: Test PASS or Fail automatic stamping equipment monitor placement: Monitor placement orientation (PASS or Fail shunt) Multi-press: Multiple or double press system Thru rate monitoring: When the through rate is $<X\%$ , it is an alarm bell, and when it is $<Y\%$ , the line is Graphics function: Board View & Automatic Production of Board Views Multi-board function: Panel auto-expansion & sub-panel selection & auto-detection
Hardware protection function	Infrared protection function
Operating system	Win7(English version)
Computer configuration	CPU: Dual-core 2.8 or above/Memory: 2GB/Hard Disk: 1000G or above/Display: 19-inch display
Air Pressure	3~6Kg/cm <sup>2</sup>
Power Supply	AC:220V,50/60HZ,3Kw
Dimension(mm)	1000*750*1600 Can be customized as required
Weight	Approx:350kg

\* I.C.T keeps working on quality and performance,specifications and appearance may be updated without particular notice.

**Thanks for choosing I.C.T.**  
**I.C.T looks forward to win-win cooperation.**  
**Thank you.**