

LT2000E Touch Panel Tester

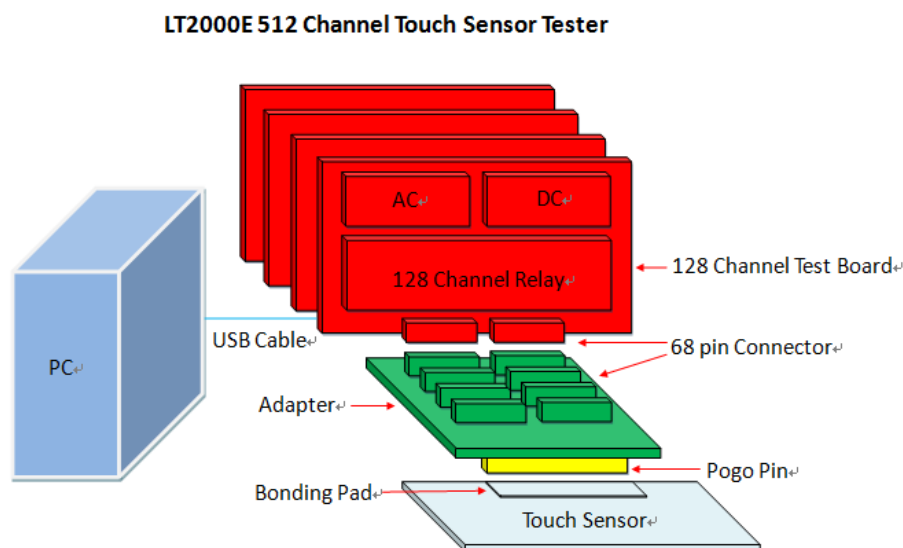


LT2000E Touch Panel Tester is designed to test the touch sensor electrical characteristic using. LT2000E can test touch sensor's Open, Short, Wire resistance, Insulation resistance and Node capacitance, which can measure the Insulation resistance to 1000M ohm, and Node capacitance can be measured to 0.1 pF.

LT2000E has a fast measurement function, Test time for each Short test is 6 ms, each Wire resistance test is 11 ms, each Insulation resistance test is 33 ms, and each Node capacitance test is 10ms. LT2000E can be integrated to be a manual tester, that is the lowest cost way to test touch sensor, can also be integrated a automatic tester with CCD alignment that could improve production testing speed.

LT2000E will save test value after Touch Sensor is tested, and also provide 2D and 3D statistic chart.

LT2000E Tester Architecture:



LT2000E Main Function:

- Test Channel: 128/256/384/512 Test Channels ◦
- Can do test for Open, Short, Wire resistance, Insulation resistance and Node

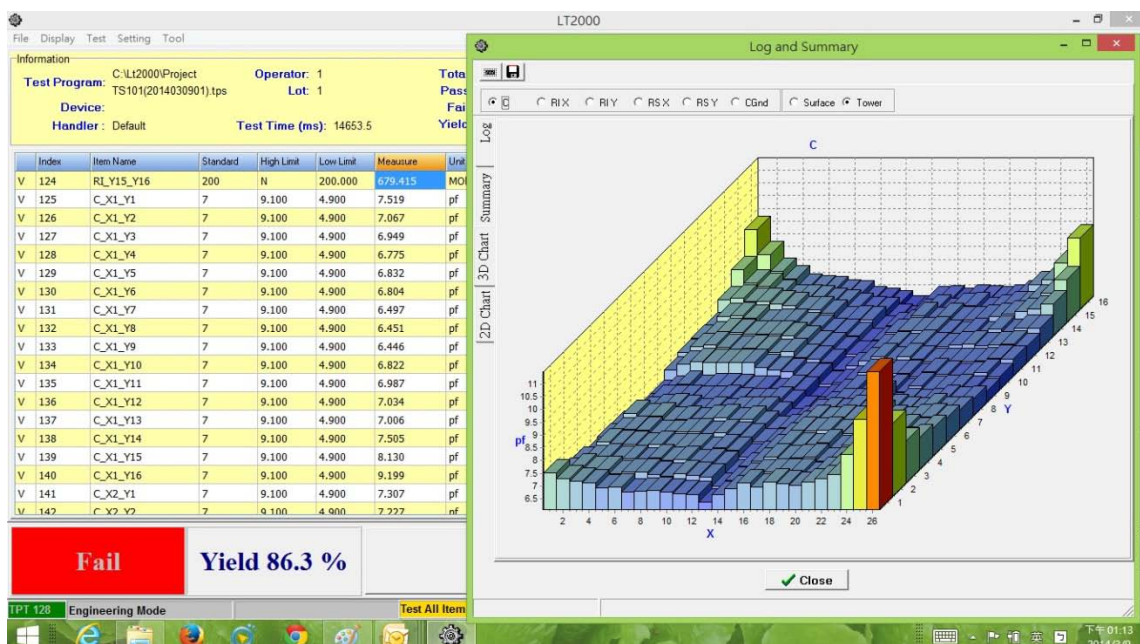
capacitance.

- Can measure the Insulation resistance to 1000M ohm, and can measured Node capacitance to 0.1 pF.
- Fast measure function: each Short test is 6 ms, each Wire resistance test is 11 ms , each Insulation resistance test is 33 ms, each Node capacitance test is 10 ms.
- Can be integrated to be a manual tester, or can also be integrated to be a automatic tester with CCD alignment.
- With test program auto editing function, can finish one test program editing within 30 sec.
- Provide auto calibration for Parasitic capacitor of adapter.
- With test setting function for Fail Stop, Test All and Repeat Fail Stop.
- Can display test time for all test items and for each individual test item.
- Select item for repeat test function, can do repeat test, can to stability verification for touch sensor.
- Can choice specify test items for testing, provide engineering analysis using.
- Auto save for touch tensor test value, and also provide 2d and 3D statistic chart.

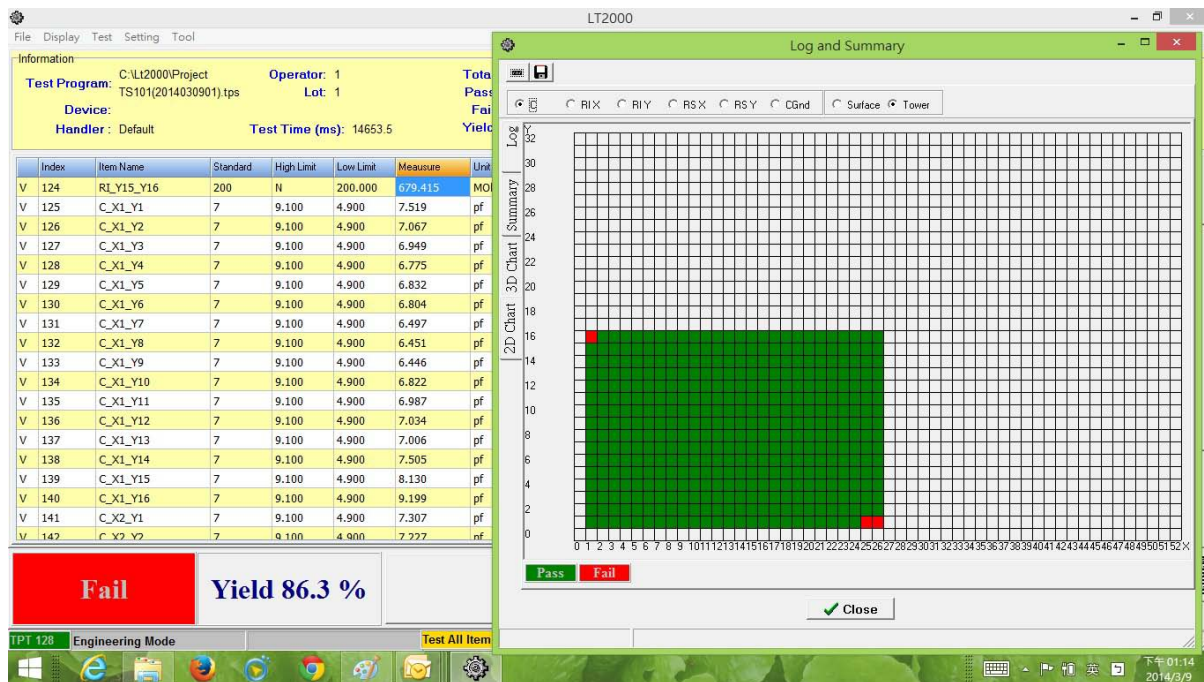
LT2000E Manual tester and Automatic tester:



LT2000E 3D statistic Chart of Node Capacitance:



LT2000E 2D Test Display of Node Capacitance:



LT2000E Specification:

1	Main Function	Measure Open 、 Short 、 Wire resistance 、 Insulation resistance and Node capacitor for touch sensor.
2	Test Channel	128/256/384/512 Channels
3	Test Items	<p>Short :</p> <p>Short between 2 wires of Rx ITO(or Tx ITO)</p> <p>Open :</p> <p>Open at each wire of Rx ITO(or Tx ITO)</p> <p>Wire Resistance:</p> <p>each wire resistance on Rx ITO(or Tx ITO)</p> <p>Insulation Resistance:</p> <p>Resistance between wires of Rx ITO (or Tx ITO)</p> <p>Node Capacitance:</p> <p>Capacitance between wires of Rx ITO and Tx ITO</p> <p>Wire Capacitance :</p> <p>Capacitance between wire of Rx ITO(or Tx ITO)</p>
4	Test Time	<p>Each Short test is 6 ms</p> <p>Each Wire resistance test is 11 ms</p> <p>Each Insulation resistance test is 33 ms</p> <p>Each Node capacitor test is 10 ms</p>
5	Measure Short	Range : 1 ohm ~ 1M ohm , Accuracy: +/- 0.5 ~ 15% of Range
6	Measure Wire	Range : 1 ohm ~ 10M ohm , Accuracy: +/- 0.5~1% of

	Resistance	Range
7	Measure Insulation Resistance	Range : 1 ohm ~ 1000M ohm , Accuracy: +/- 1 ~ 10% of Range
8	Measure C	Range: 0.1 pF ~ 200 pF , Accuracy: +/- 1 ~ 3% of Range
9	Calibration Method	Calibrated by Agilent LCR Meter
10	Operating System	Microsoft Windows XP/Win7/Win8(32 bits)
11	Weight	7.3 Kg(512 Channels , With power supply)
12	Dimension	442(W)*221(D)*161(H)mm
13	Power Supply	110/240 VAC , 50~60Hz , 1.6A

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