

K-9604

电容式触摸屏检测设备

Capacitive TSP Module Test Equipment

产品描述

K-9604 是一款用于量产的电容式触摸屏模组检测设备，用来评估测试电容式模组屏（安装了控制 IC），例如硬件版本的测试，精确度，能量功耗，敏感度，线性测试及 最小距离测试（Two Finger separation test）以及悬空测试（Hover）等等。

K-9604 能够同时测试四块模组屏，触摸屏以真空吸附方式被固定在测试面板上，设备的传导触控端会接触到触摸屏的表面，同时 K-9604 的传感桶会读取触摸屏的相关数据，如 非触摸时的电容值（Signal Delta），X/Y 轴的坐标数据及电流消耗的数据等等。这些数值会在 MIK 用户专用界面上显示。所有结果可以转换成 EXCEL 文档并下载，便于用户分析其测试结果。

K-9604 是针对量产测试电容屏产品的优良选择，可以支持测试最大 7 寸的触摸屏产品。

Capacitive Touch Screen Panel Module Test Equipment for mass production, K-9604 is designed to inspect test items of Capacitive Touch Screen Panel Module (Touch Screen Panel mounted controller IC) in mass production line such as firmware version check, accuracy, power consumption, sensitivity, drag linearity and two finger separation etc..

4 Touch Screen Panel Modules are fixed on the test stages by vacuum absorption simultaneously and then the machine's conductible touch tips touch the surface of Touch Screen Panel Modules while K-9604's Sensing B/D picks the report data of Touch Screen Panel Modules such as Signal Delta related capacitance value, X/Y coordinate data and measures current consumption, etc. and the data is displayed through MIK21's unique GUI.

K-9604 is a best solution for your inspection of Capacitive Touch Screen Panel Modules for mass production. K-9604 can test up to 7" Capacitive Touch Screen Panel Module. report data of Touch Screen Panel Modules via USB interface and the data is displayed through MIK21's unique GUI.



Specifications

Contents	Specification
Dimension [WXDXH]	2,100X900X1,560 (mm)
Artificial Finger Motion	X, Y, Z Linear Movement (Diagonal Movement)
Motion Stroke [X/Y/Z]	200X177X50 (mm) / Possible to test Max. 7" (In case of AR 16:9) / 4Stage 4Axis
X, Y Coordinates Resolution	10um
X, Y Coordinates Repeatability	±50um
Data Interface	System to PC : RS-232C / System to DUT : I2C
PC S/W	PC GUI [Data Dump, Parameter Setting, Graph, Raw Data Save, Etc.]
Manual	Paper
Touch Force	Adjustable 1g~300g by 1g unit
Drag Speed	1mm/Sec ~ 50mm/Sec (Adjustable By 1mm/Sec Unit)
DC Power Supply	Two Channel Each Stage, 0.1V ~ 5V For DUT (Adjustable by 0.01V unit)
General Specification	Input Power : 220VAC 1Ø, 2W / Gross Weight : Max. 650Kg / Power Consumption : Max. 1.5KW
Component	Main Unit / Computer & Monitor / Touch Tips / Lubricant / Manual

K-9604 is designed to test the below test items of Capacitive Touch Screen Panel Module for mass production.

TEST ITEMS	CONTENT	REFER.
Firmware Version Check	Inspection to prevent mixture of Sensor IC	Mandatory
Accuracy	Distance between target coordinate and report coordinate	Mandatory
Sensitivity	Capacitance Value of Non-touch signal delta and touch signal delta and dispersion of capacitance value over all touch points of touch panel	Mandatory
Power Consumption	Power consumption of Touch Controller IC at Sleep mode, Idle mode and Active mode.	Mandatory
Linearity	Linearity of report coordinate when machine touch tip drags line	Option
Two Finger Separation	Resolution test of Touch Screen Panel against a simultaneous 2 touch inputs	Option

* All specifications are subject to change without any notice.