TOUCH SCREEN PANEL TEST EQUIPMENT

CAPACITIVE TOUCH SCREEN PANEL MODULE TEST EQUIPMENT

K-9602TM

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FEATURES

Capacitive Touch Screen Panel Module Test Equipment for mass production, **K-9602TM** 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..

2 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-9602TM'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-9602TM can test up to 12" Capacitive Touch Screen Panel Module and K-9602TM is a best solution for your inspection of Capacitive Touch Screen Panel Modules for mass production.

양산검사용으로 설계 제작된 **K-9602TM**은 정전용량형 터치패널모듈 검사장비로서 펌웨어 버전 체크, 정확도, 소비전력, 민감도, 드래그 선형성 및Two finger separation 등의 다양한 항목을 검사하여 터치패널 기능에 대한 면밀한 평가가 가능합니다.

K-9602TM은 동시에 2개의 시료에 대한 테스트 가능하며, 2장의 시료는 스테이지위에 진공흡착 고정되고 장비의 Z축인 전도성 터치팁은 터치패널의 표면을 터치하여 터치패널모듈의 시그날 델타값과 관련된 정전용량값을 읽어오고 X/Y 좌표값 및 소비전력을 측정하여 MIK21 전용 GUI에 디스플레이시켜줍니다. 모든 데이터는 엑셀형식으로 저장이 가능하기 때문에 사용자가 용이하게 검사데이터를 분석할 수 있습니다.

K-9602TM은 최대 14인치 시료를 지원하는 정전용량형 터치패널모듈 양산 검사의 최적의 솔루션입니다.

SPECIFICATIONS

Contents	Specification
Artificial Finger Motion	X, Y, Z Linear Movement (Diagonal Movement)
Motion Stroke [X/Y/Z]	320X300X50 (mm) / Possible to test Max. 14" (In case of AR 16:9) / 2Stage 2Axis
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)
Dimension [WXDXH, mm]	1,500 X 990 X 1,689
General Specification	Input Power : 220VAC 1Ø, 2W / Gross Weight : Max. 550Kg / Power Consumption : Max. 1.5KW
Component	Main Unit / Computer & Monitor / Touch Tips / Lubricant / Manual

EVALUATION ITEMS

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.

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