EMC Partner Test System for Electrostatic Discharge, Surge Combination Wave, EFT/ Burst with 16A CDN

Product Information

Multi-function immunity tester is able to carry out electrostatic discharge immunity, electrical fast transient/ burst immunity and surge (impact) immunity test. It is multifunctional combination immunity test equipments for the three tests which can be freely combined.
EMC S03-W contains three tests for electrostatic discharge immunity, electrical fast transient/ burst immunity and surge (impact) immunity;
EMC S02-W contains electrical fast transient/ burst immunity and surge (Impact) immunity test;
EMC S02-E contains electrostatic discharge immunity and surge (impact) immunity test;
EMC S02-F contains electrostatic discharge immunity and electrical fast transient pulse group Immunity test.
All products are using built-in fully automatic coupling / decoupling network, full touch screen interface, with the same level of international brand performance.

Standards

- IEC/EN 61000-4-2 GB/T17626.2
- IEC/EN 61000-4-4 GB/T17626.4
- IEC/EN 61000-4-5 GB/T17626.5

Features

- Three tests (electrostatic discharge, electrical fast transient/ burst and surge (impact) immunity) freely combined
- User friendly 7” Touch Panel Display
- Support multi-language & facilitate users
- Built-in environment self-test program, automatically detects the test environment and reminds the user;
- Programmable operation
- Pre-programmed international standard test settings
- Easy to replace the discharge module to meet the different test requirements
- RS232, USB interface, PC control operation & printable test report
- Comfortable use and convenient operation

Picture

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Basic Parameter

Operation Interface	7” Touch Panel
Power Supply	AC220V
Maximum Power	180W
Communication Interface	RS232/USB
Weight	Around 35KG
Ambient Temperature	15-35℃/35%-85%

Technical data

Electrostatic discharge immunity test	
Output Voltage	0.1~±20kV
Polarity	Positive/ negative/ alternating
Energy storage capacity	150pF
Discharge resistor	330Ω
Discharge current rise time	0.6~1ns
Holding Time (air discharge)	≥5s
Discharge Modes	Contact discharge, air discharge
Operating Modes	Single discharge, repetitive discharges
Discharge Trigger	Manual, automatic or remote
Working Mode	IEC level mode/ Program mode/ Voltage rising patterns
Discharge Interval	0.05~9.99s
Discharge Count	1~9999

Electrical fast transient (EFT)/ burst immunity test	
Output Voltage	0 .2~±5KV
Frequency	1kHz~1200KHz ± 10%, continuous adjustable
Pulse Polarity	Positive/ negative/ alternating
Running Time	1~9999s, continuous adjustable
Internal Resistance	50 Ω± 10%
Pulse Front Edge	5ns ± 30%
Pulse Width	50ns±30% (50Ω load) 35ns~150ns (1kΩ load)
Pulse Number	1~255, continuous adjustable
Burst Period	0.15~99.99s, continuous adjustable
Phase Angle	0~359° synchronous, asynchronous, or automatic
Coupling/ Decoupling network	Built-in, single-phase three-wire, 16A
Surge (impact) immunity	
Surge Waveform	Open-circuit voltage wave: 1.2/50μs Short-circuit current wave: 8/20μs
Open-circuit Voltage	0.2~6kV
Short-circuit Current	0.1~3kA
Polarity	Positive/ negative/ alternating
Phase Angle	0~ 359° synchronous, asynchronous, or automatic
Effective output impedance	2Ω (common mode 12Ω)
Coupling/ decoupling network	Built-in, single-phase three-wire, 16A
Coupling mode	Differential mode 18μF, common mode 9μF/ 10Ω
Count	1~9999
Interval	10~9999S

Measured Waveform

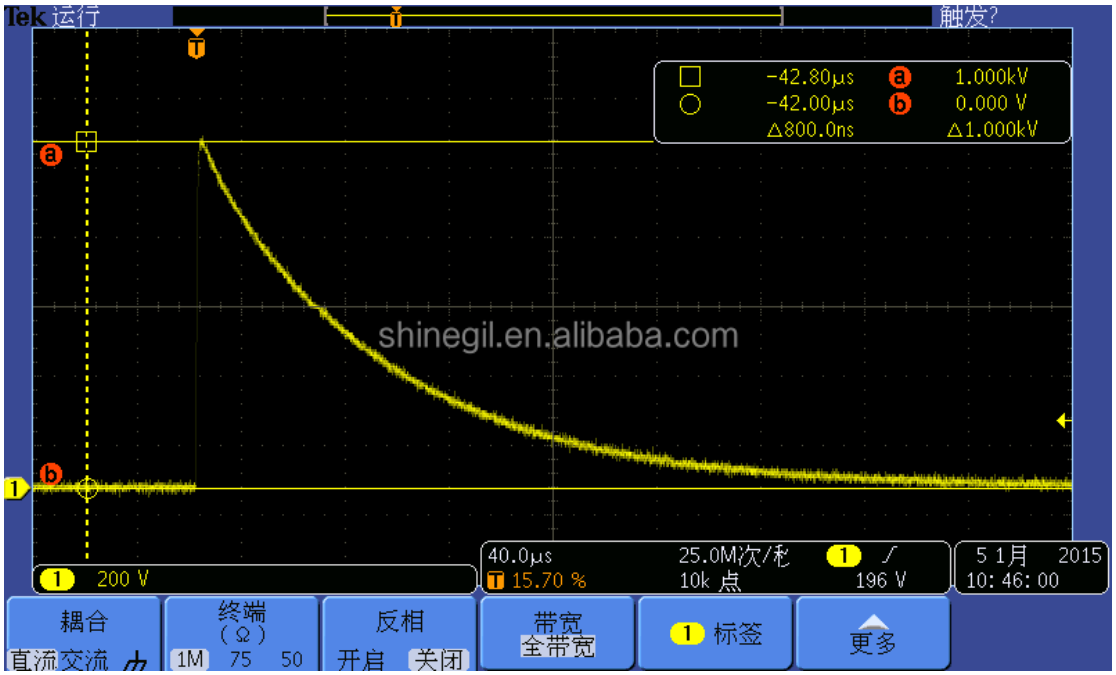
Electrostatic Discharge



Electrical Fast Transient (EFT)/ Burst



Surge (Impact)



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