



Differential Mode Conducted Interference Simulator

RSG 40C20(DMS)

- IEC 61000-4-19
- GB/T 17626.19
- JJF 1245.4

Features

- > 5.7-inch screen front panel operation
- > The integrated design makes the system more simple, safe and durable
- > Ethernet, RJ45 interface for PC remote control and test report print
- > Compliant with IEC 61000-4-19/GB/T 17626.19 and JJF 1245.4-2019 standards
- > The key components are all made of high-quality materials, with reliable quality, exquisite appearance and comfortable operation

Introduction

RSG 40C20 (DMS) is a simulator for differential mode conducted interference immunity testing that complies with the requirements of IEC 61000-4-19/GB/T 17626.19 and JJF 1245.4-2019 standards. Supported by our company's Corelab software and various coupling decoupling networks, coupled transformers and other facilities can conduct the following tests: 2 kHz~150 kHz differential mode voltage and current (unmodulated waveform, continuous wave pulse with intermittent period, and pulse waveform modulated with rectangular pulse) tests that meet IEC 61000-4-19, and current tests that meet JJF 1245.4-2019.

Application Areas



Technical Parameters

Frequency	2 kHz ~ 150 kHz
Modulation frequency	0 ~ 1,000 Hz
Frequency Step	Linear, logarithmic, static
Technical parameters for differential voltage immunity testing	
Waveform	Sine, total harmonic distortion<5%
Output Voltage	0.1 V ~ 40 V 0.1 V ~ 30 V(RMS)
Load Impedance	10 Ω ±30%
Technical parameters for differential current immunity testing	
Max. Current	5 A
Load Impedance	1 Ω ±0.3 Ω
BNC Output	10: 1(0.1 V / A)

General Parameters

Dimension	620(L)*450(W)*190(H) mm
Weight	Approx. 25 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

User Manual, Power Cord, Fuse, Test Cable

Optional Accessories

1	Coupling/Decoupling Network	Model: CDN 419M3-32 EUT voltage range: single-phase three-wire, 32 A, 250 V AC/DC Frequency: 2 kHz~150 kHz	
2	Coupling/Decoupling Network	Model: CDN 419M4N-32 EUT voltage range: three-phase four-wire, 32 A, line to ground 250 V AC/DC Frequency: 2 kHz~150 kHz	
3	Pulse Transformer	Model: TPT-600-2 Coupling pulse voltage: Max. 600 V Secondary side flow capacity: Max. 30 A Used for IEC 61000-4-19	
4	PC Control Software	Model: Corelab Compatible with Windows 7 and above. It features user-friendly operation with an elegant and intuitive interface. Equipped with comprehensive operation functions and standard test libraries.	
5	Differential Current Testing Module	Model: WCT 20 Frequency: 2 kHz~150 kHz Max. current: 5 A Max. voltage: < 22 V Impedance: 1 Ω ± 0.3 Ω	

Optional Accessories

6	Differential Voltage Testing Module	Model: R419-10 Differential voltage test matching module Resistance value: 10 Ω
7	Differential Current Testing Module	Model: RJJF-100 Resistance value: 100 Ω

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