



Differential Mode Conducted Interference Simulator

RSG 40C20(DMS)

- ISO 21498-2-2021
- VW 80300-2021

— Features

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

— Introduction

RSG 40C20 is a simulator for differential mode conducted disturbance immunity testing that complies with the requirements of IEC 61000-4-19/GB/T 17626.19 and JJF 1245.4-2019 standards. Supporting 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



Vehicles

Technical Parameters

Standard	IEC 61000-4-19、JJF 1245.4-2019
Frequency	2 kHz ~ 150 kHz
Modulation frequency	0~1000 HZ
Frequency step	Linear, logarithmic, static
Technical parameters for differential voltage interference testing	
Wave form	Sine, total harmonic distortion<5%
Output voltage	0.1 V ~ 40 V 0.1 V ~ 30 V(RMS)
Load impedance	10 Ω \pm 30%
Technical parameters for differential current interference testing	
Maximum current	5 A
Load impedance	1 Ω \pm 0.3 Ω
BNC output	10: 1(0.1 V / A)

General Parameters

Weight	Approximately 25 kg
Dimension	620*450*190mm (length x width x height)
Ambient Temperature	15 ° C -35 ° C
Relative Humidity	45% -75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test line, power cord, fuse, factory report, instruction manual.

Optional Accessories

<p>Coupling decoupling network CDN419M3-32</p>	<p>EUT voltage range: single-phase 3-wire, 32 A, 250 V AC/DC Frequency range: 2 kHz~150 kHz</p>
<p>Coupling decoupling network CDN419M4N-32</p>	<p>EUT voltage range: three-phase 4-wire, 32 A, line to ground 250 V AC/DC Frequency range: 2 kHz~150 kHz</p>
<p>Pulse transformer TPT-600-2</p>	<p>Coupling pulse voltage: Max 600 V Secondary side flow capacity: Max 30 A Used for IEC 61000-4-19</p>
<p>CoreLab anti-interference testing software</p>	<p>Supports Windows 7 and above, it is easy to use, with a beautiful and intuitive user interface. Various operational functions and standard testing libraries enable users to easily complete custom testing programs; Users can customize any waveform (outside of the standard library); It can automatically/manually identify the connected CoreLab testing equipment and perform automatic configuration; Template based reporting function can help users flexibly generate test reports</p>
<p>Differential current testing module WCT 20</p>	<p>Frequency range: 2 kHz~150 kHz Maximum current: 5 A Maximum voltage: < 22V Impedance: 1 Ω± 0.3 Ω</p>
<p>Differential voltage testing module R419-10</p>	<p>Differential voltage test matching module, resistance value: 10 Ω</p>
<p>Differential current testing module RJJF-100</p>	<p>100Ω</p>

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