

Ripple Signal Generator

RSG series



In compliance with

- > VW 80300_EN_2021
- > ISO 21498-2-2021
- > ISO/TS 7637-4-2020

Introduction

The RSG series ripple signal generator is according with ISO/TS 7637-4-2020, ISO 21498-2-2021 and VW 80300_EN_2021 standards, meeting the requirements of standard pulse B for transient conduction measurement of new energy vehicle-mounted electric drive and high-voltage parts. It adopts the third generation control platform design of our company and features intelligent control and convenience to use. Users can run tests through Autolab software by setting all parameters on it.

Features

- > 5.7-inch touch screen;
- > As per ISO/TS 7637-4-2020 pulse B requirements;
- > 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.

Application Areas

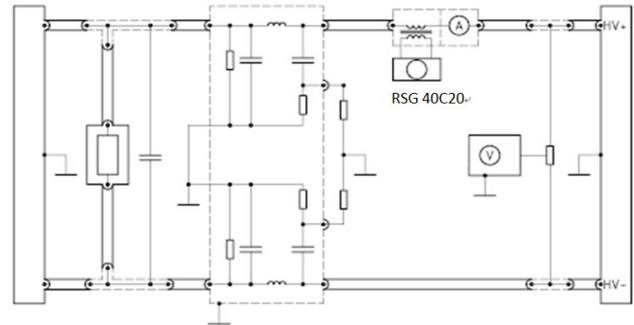
- > New Energy Electric power

RSG 40C20 Technical Parameters	
Frequency	10 Hz ~ 300 kHz
Frequency step	1 kHz for 3 kHz ~ 30 kHz; 10 kHz for 30 kHz~300 kHz;
Open-circuit Test Pulse Voltage (Upp)	Upp<=80 V(<50 kHz) Upp<=48 V(50 kHz ~ 150 kHz) Upp<=24 V(>=150 kHz) Resolution 0.1 V
Ripple Dwell Time	1 s ~ 10 s, resolution 0.1 s
Output MAX	40 Vp / 20 Ap
Power	MAX 800 W
Working Power	AC 220 V (±10%), 50 Hz
Dimension	4 U
Weight	25 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45 % ~ 75 %
Atmospheric Pressure	86 kPa ~ 106 kPa

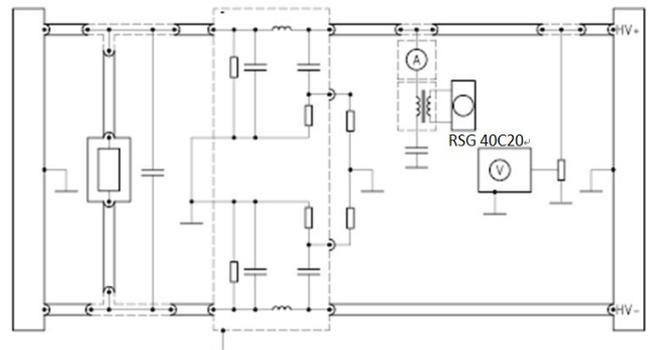
Standard Accessories
User Manual, Test line, Earth line, 3-core power line, fuses (Spare parts), Factory report

Test Connection Diagram:

1 line-to-line



2 HV+ line-to-ground



Optional Accessories	
<p>1. Coupling transformer TPT-7637-4C100B</p> 	<p>Umax: 15 V@10 Hz ≤ f ≤ 3 kHz 25 V@3 kHz ≤ f ≤ 30 kHz 2.5 V@30 kHz ≤ f ≤ 300 kHz Primary current: 32 A Secondary current: 100 A Frequency: 10 Hz ~ 300 kHz Size: 440*190*585 mm Weight: 60 kg</p>
<p>2. Automotive Testing software Autolab</p>	<ul style="list-style-type: none"> > Compatible with Windows XP/7/8/10 OS; > Support of Ethernet interface; > Powerful test sequence function and one-key remote control; > Support of report export and user-defined test report template; > Emergency stop with one key makes operation safe;
<p>Note: 100 A system selection coupling transformer TPT-7637-4C100B; 300 A system selection coupling transformer TPT-7637-4C300B; 1000 A system selection coupling transformer TPT-7637-4C1000B(Need to be customized).</p>	



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