

Voltage Ripple Disturbance Simulator LFS 300A

Datasheet



In Compliance with

> Volkswagen MQB37_AB 8.1

Introduction

LFS 300A Voltage Ripple Disturbance Simulator is designed as per Volkswagen MQB37_AB 8.1 to meet immunity requirement of new energy vehicle-mounted electric drive and HV components in HV network to electrical system ripple. This equipment is based on our third-generation control platform with intelligent control, easy operation and one-key performing tests after setting parameters.

Features

- > 5.7" colorful touch screen operation;
- > Confirm to Volkswagen MQB37_AB 8.1;
- > Integrative design makes system simple and convenient, safe and durable;
- > Key components with high-quality materials, high reliability, fine appearance and comfortable operation;
- > Ethernet, RJ45 interface for PC remote control and test report printing;

Application Areas

- > New Energy

Technical parameters	
Frequency Range	1 kHz~300 kHz / duty cycle 50%
Frequency Step	1 kHz / 10 kHz
Open-circuit output voltage	0.5 V~50 V adjustable
U _{pp}	
Ripple Wave Dwell Time	1 s ~ 5 s, adjustable
Generator Output Impedance	$Z_{out} \leq 0,5 \Omega$ ($Z_{out} = U_{pp}/I_{pp}$)
T _{Rise} , T _{Fall}	< 1 μ s @ Open-circuit voltage (25 V _{pp})
T _{Rise} , T _{Fall}	< 2,5 μ s @ Short-circuit current (≥ 50 App);
Current Capacity	≥ 32 A (rms), ≥ 70 A (peak)
Coupling	Differential mode: 120 μ F (single-ended or double-ended optional) Common mode: 30 μ F + 10 Ω resistance
Serial interface	LAN Ethernet RJ45
Test mode	HV+line-to-HV-line; HV+ line-to-ground; HV- line to ground; HV-&HV- line to ground;

General parameters	
Power supply	AC 110/220 V, $\pm 10\%$, 45 Hz ~ 65 Hz
Ambient Temperature	15 °C~ 35 °C
Dimension	600 mm*450 mm *370 mm (L*W*H 8U) 625 mm *450 mm *195 mm (L*W*H 4U)
Weight	Approx. 70 kg

Accessories	
User manual, test line and fuse*2	



SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

www.3c-test.com

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