

Voltage Ripple Disturbance Simulator (Pulse A)

LFS 300A

Datasheet



In Compliance with

> ISO/DTS 7637-4: Pulse A

Introduction

LFS 300A Voltage Ripple Disturbance Simulator is as per ISO/DTS 7637-4: A-2017 to meet transient conduction measurement Pulse A for new energy vehicle-mounted electric drive and HV components. This equipment is based on our third generation control platform with intelligent control, easy operation and one-key performing tests after setting parameters.

Features

- > 5.7inch colorful touch screen operation
- > For ISO/DTS 7637-4:A
- > Integrative design to be 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

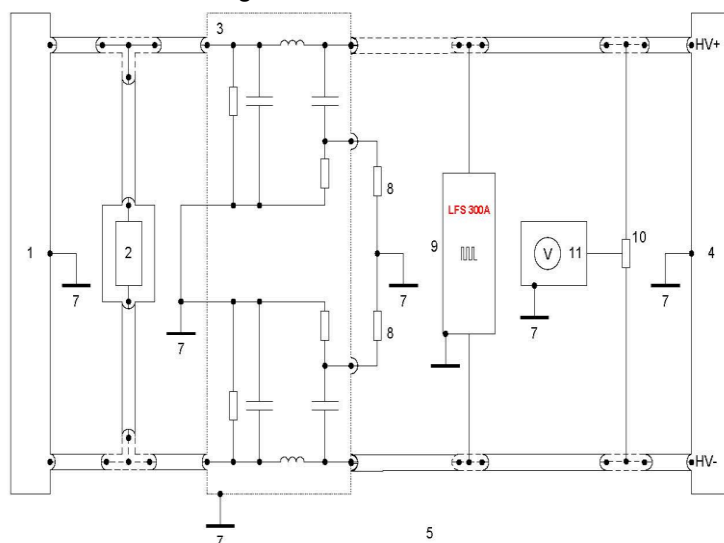
- > New Energy

Technical parameters	
Frequency range	1 KHz ~ 300 KHz / duty cycle 50%
Frequency step	1 KHz / 10 KHz
Open-circuit output voltage Upp	0.5 ~ 50 V adjustable
Ripple wave dwell time	1 ~ 5 s adjustable
Generator output impedance	$Z_{out} \leq 0,5 \Omega$ ($Z_{out} = U_{pp}/I_{pp}$.)
TRise, TFall	< 1 μ s @ Open-circuit voltage (25 Vpp)
TRise, TFall	< 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 uF + 10 ohm 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, $\pm 10\%$, 45-65 Hz
Environment temperature	15 – 35 $^{\circ}$ C
Size	600*450*370 (L*W*H 8U) 625*450*195 (L*W*H 4U)
Weight	Around 70 Kg

Standard equipped
2 pcs equipments, user manual, inspection report, test wires and fuse

Test connection diagram:





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