

Load Dump Simulator

LDS 300NxxD Series



- QC/T 727-2007
- JASO-D001-94

Features

- > 5.7-inch color touch screen front panel operation
- > Equipped with DUT voltage and current detection
- > Overcurrent protection function
- > Support communication with devices from other companies. CN25 and the internal CAN bus can transmit the DUT power supply voltage signal to the power supply.

Introduction

The LDS 300NxxD series is specially designed for testing speedometers, tachometers, fuel gauges and other meters for automobiles and motorcycles.

The product complies with the voltage immunity test requirements specified in standards including but not limited to QC/T727-2007 and JASO D001-94 (Category A1, B1, C1(D1), D(E)).

Equipped with a touch screen menu and function keys, the instrument allows users to quickly and accurately set test levels and conduct relevant tests.

Application Areas



Technical Parameters

QC/T 727 A1 (JASO A1)	
Pulse Amplitude (Vp)	80 V
Peak Error	≤10%
Rise Time Tr (Vp)	< 1 μs
Time Constant (τ)	200,000 μs
Output resistance R1	0.8 Ω
Number of Tests	Single
Polarity	+
QC/T 727 B1 (JASO B1)	
Pulse Amplitude (Vp)	80 V
Peak Error	≤10%
Rise Time Tr (Vp)	< 1 μs
Time Constant (τ)	60,000 μs
Output resistance R1	0.8 Ω
Number of Tests	100 times
Repetition Frequency	1/30 Hz
Polarity	-
QC/T 727 C1 (JASO D1)	
Pulse Amplitude (Vp)	110 V
Peak Error	≤10%
Rise Time Tr (Vp)	< 1 μs
Time Constant (τ)	400,000 μs
Output resistance R1	1.5 Ω
Number of Tests	Single
Polarity	+
QC/T 727 D (JASO E)	
Pulse Amplitude (Vp)	-320 V
Peak Error	≤10%
Rise Time Tr (Vp)	< 1 μs
Time Constant (τ)	26,000 μs
Output resistance R1	210 Ω
Number of Tests	100 times
Repetition Frequency	1/30 Hz
Polarity	-

General
Parameters

Working Power	AC 110 V/ 220 V, ±10%, 50/60 Hz ±5%
Dimension	2 * 6U rack, 450 mm * 600 mm * 266 mm
Weight	Approx. 60 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

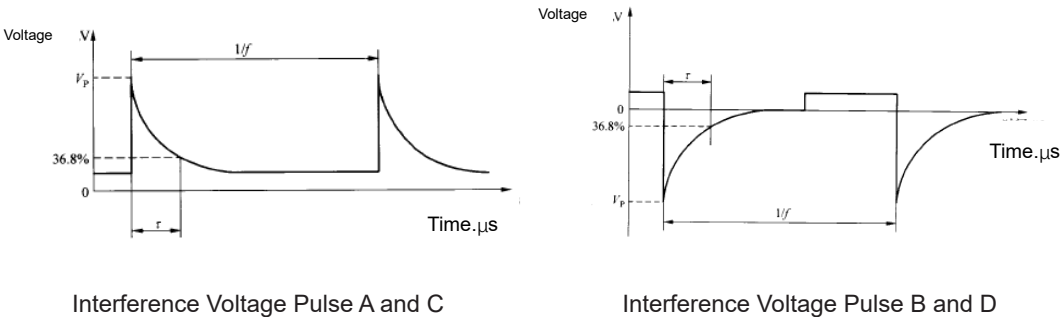
Standard Accessories

Power Cord, User Manual, Test Cable, Grounding Wire, Fuse, RF Cable

Selection Guide

LDS 300N30D LDS 300D	Max. supply voltage for EUT: 60 V, 30 A
LDS 300N50D LDS 300D	Max. supply voltage for EUT: 60 V, 50 A
LDS 300N75D LDS 300D	Max. supply voltage for EUT: 60 V, 75 A
LDS 300N100D LDS 300D	Max. supply voltage for EUT: 60 V, 100 A

Standard Waveform
Diagram



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