

Peak Voltage Simulator

VSS 181



In compliance with

- > GJB 181-86
- > GJB 181A-2003
- > RTCA/DO-160E

Introduction

The main function of VSS 181 is to generate voltage spikes. It can apply up to 100 voltage spikes with alternating positive and negative polarities to the device under test in one minute (besides, the pulse interval can be set arbitrarily within the range of 0.5 ~ 99.9 s), and the peak-to-peak voltage can be set arbitrarily within the range of 30-600V; The polarity can be set to positive polarity only, negative polarity only, positive first and then negative, negative first and then positive, and alternating positive and negative, and the output impedance can also be set and selected at will in 10/30/50Ω. And built-in DC power coupling and protection network; It can meet the test requirements of peak signal conduction sensitivity of aircraft power supply line.

Features

- > 5.7-inch colorful touch screen;
- > Built-in multifunctional test module combination;
- > Test scheduler function;
- > Ethernet RJ45 interface for PC remote control;
- > Print test report.

Application Areas

- | | |
|-----------------|--------------------------|
| > Communication | > Military |
| > Telecom | > Information technology |
| > Medical | > Aviation |
| > Radio and TV | > New energy power |
| > Railway | > New energy vehicle |

Technical Parameters	
Voltage	30 V ~ 600 V $\pm 5\%$;
Rise time	≤ 5 us
Voltage duration	10 ~ 50 us
Source impedance	10 ohm , 30 ohm , 50 ohm
Polarity	Positive、 Negative、 Positive/Negative
Pulse count	1 ~ 9999
Voltage & current measure	LCD display
Protective current	1 ~ 120 A arbitrary setting

General Parameters	
Display screen	5.7-inch TFT
Power Supply	AC 110/220 V, $\pm 10\%$, 50 Hz/65 Hz(AC 220 V in China)
Fuse	6 A
Power	300 W
Dimension	19-inch/4 U
Weight	Approx. 30 kg
Ambient Temperature	15 °C ~ 35 °C
Relative humidity	45 % ~ 75 %
Atmospheric pressure	86 kPa ~ 106 kPa

Optional Accessories
<p>PC : CoreLab</p> <p>The PC control software CoreLab supports Windows 7, Windows 8 , Windows 10 and Windows 11. It is easy to use, and the user interface is beautiful and intuitive. Various operating functions and standard test library enable users to easily complete custom test programs. Test the equipment and configure it automatically to help users generate test reports flexibly.</p>



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