



# Surge Voltage Emulator

## VDG 298

- GJB 298:1987
- MIL-STD-1275D:2006

### Features

- > 5.7-inch color touch screen, front panel operation
- > Meets the requirements of MIL-STD-1275D and GJB 298:1987 standards
- > Powerful DC voltage source with good reliability
- > Low impedance output 20 m  $\Omega$ , 500 m  $\Omega$  optional
- > The maximum output current can reach 30 A

### Introduction

VDG 298 is a simulator designed based on the third-generation control platform, meeting the surge voltage test requirements for 28 V DC-powered vehicles specified in GJB 298:1987 and MIL-STD-1275D standards. It features a built-in DC power supply, offering high output voltage accuracy, fast response, low impedance, and excellent stability

### Application Areas



#### Technical Parameters

DC Voltage	0 V ~ 35 V $\pm$ 5% (Step: 0.1 V)
DC Current	30 A
Surge Voltage	40 V ~ 100 V $\pm$ 5% (Step: 0.1 V)
Surge Time	1 ms ~ 1,000 ms
Surge Cycle	1 s ~ 99 s
Surge Frequency	1 ~ 9,999
Output Impedance	20 m $\Omega$ or 500 m $\Omega$

#### General Parameters

Supply Voltage	AC 100 V ~ 250 V, $\pm$ 10%, 50 Hz/60 Hz
Failure Detection	When it fails, the front panel LCD displays and interrupts the instrument's operation
Instrument Working Status Indication	LED indicator LCD display
Maximum Power Consumption	1200 W
Dimension	8U 450 mm(W)*380 mm(H)*620 mm(D)
Instrument Weight	Approx 35 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75% RH(without condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

#### Standard Accessories

Power cord, Test wire, Grounding wire, Instruction manual, Inspection report, Product warranty certificate

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