



Electro-mobile Vehicles Pulse Disturbance Generator

EVPG 20

■ VW 80300

Features

- > 5.7-inch color touch screen front panel operation
- > Built-in high-voltage pulse waveforms
- > Built-in fault alarm function
- > Overcurrent protection
- > EUT current acquisition and display function

Introduction

The EVPG 20 Electro-mobile Vehicles Pulse Disturbance Generator is designed as per EHV-16 HV pulse specified in VW 80300-02, which is used in vehicle HV electronic components test. It includes high-voltage pulse waveforms for two test items: Test Case 1 and Test Case 2.

The EVPG 20 has 5.7-inch color touch screen for operation and also can be controlled by PC software.

Application Areas



Technical Parameters

VW 80300_2021 (EHV-16)	Test case 1	Test case 2
Pulse Width	1 μs ~ 20 μs, ±10%	1 μs ~ 5 μs, ±10%
Waveform Feature	Approximate square wave	
Pulse Voltage Amplitude	20 V ~ 200 V, ±10%	
Calibration Voltage Amplitude	75 V ~ 200 V, ±10%	
Voltage Slew Rate (0% ~ 100%)	>1 V/ns	
Nominal Output Impedance	0.16 Ω	
Pulse Interval	10 ~ 100 ms	0.5 ~ 10 ms
Pulse Polarity	Positive, negative, alternative	
Number of Pulses	1 ~ 100	
Pulse Interval	0.1 s ~ 99 s	
Number of Test Groups	1 ~ 100	
Trigger Mode	Manual, Automatic, External Trigger	
Coupling Mode	100 μF coupling capacitor per line	
DUT Load	DC 1000 V / 100 A (customizable)	
Input / Output Terminals	16 A banana terminals, 100 A solid terminals	
Remarks: The maximum load capacity is 100 A. Higher need to be customized.		

General Parameters

Working Power	AC 220 V, $\pm 10\%$, 50 Hz / 60 Hz
Fuse	6 A
Max. Power Consumption	300 W
Grounding Method	Flat grounding wire
Dimension	6U rack, 540 (W) *280 (H) *620 (D) mm
Weight	Approx. 69 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%, RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Power Line, Fuse, Testing Wire, Flat Grounding Wire, User Manual

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