

LOAD DUMP GENERATOR

PG 2804

EMC-Test Equipment
for electrical installation of
vehicles:

acc. to ISO 16750-2

Pulse #5 / Test A / Test B

Waveform:

10 / 400 ms, 200 V
10 / 200 ms, 200 V
10 / 100 ms, 180 V
10 / 50 ms, 150 V

Ri = 0.5 / 1 / 2 / 4 / 8 Ω



Compact EMC test unit designed for testing electromagnetic immunity of the electrical installation of vehicles and components against supply line transients.

PG 2804 includes generation of pulses #5 / Test A and Test B. It is designed to be connected to the power supply interface of the CAR-TESTER.

It features a microprocessor controlled user interface and a display unit. The user can use the standard test routines or define his own test sequence

The test parameters are set and displayed via a 5" touch screen display and can be recorded during the test on a USB stick.

The software program CAR-remote permits the PC control of the generator via Ethernet and fiber optic and also allows the standardized documentation according to IEC 17025 and the evaluation of test results.

It is characterized by its compact design and easy operation.

Technical specification:	PG 2804	
Mainframe:		
Microprocessor controlled touch panel	5", 800X480, 24 bit	
Optical Ethernet Interface for remote control of the generator	optional	
Interface for saving reports	USB	
External trigger input /output	10 V at 1 k Ω	
Connector for external safety interlock loop	24 V =	
External red and green warning lamps acc. to VDE 0104	230 V, 60W	
Mains power	230 V, 50/60 Hz	
Dimensions desk top case, W * H * D	450*320*180 mm ³	
Weight	35kg	
Pulse generator:		
charging voltage, adjustable	\pm (0-200) V \pm 10%	
max. stored energy	800 Wsec	
max. charging time	1 sec - 10 sec	
Surge Pulse #5 / Test A acc. to ISO 16750-2		
Voltage - System	12V	24V
source resistance, switch able Ri	0,5 / 1 / 2 / 4 / 8 Ω	0.5 - 4 Ω 1 - 8 Ω
polarity	positive	
amplitude	+26-100 V	+70-200 V \pm 10%
rise time, tr	5-10 ms	5-10 ms +0/-50%
pulse duration, switch able, td	400 / 200 / 100 / 50 ms	50-400 ms 100-350 ms
Surge Pulse #5 / Test B acc. to ISO 16750-2		
Clamping Voltage via bridge plug	22 – 178 V in 22V steps	
OPTION		
Software CAR_Remote for remote control incl. 5 m fibre-optic cable and Ethernet PC-interface		

Wave form: Test A

