

TRANSIENT IMMUNITY TEST GENERATOR CAR-TG 20



According to	
FORD FMC 1278	RI130, CI220
EMC-CE-2009.1	RI130, CI220, CI260

General:

The transient generator CAR-TG 20 is designed according strict specifications of Ford standards. As per standards FORD FMC1278 and EMC-CS-2009.1 the transient tests defined in RI130, CI220 and CI 260 are generated by CAR-TG20. By that is meant pulse forms: A1, A2-1, A2-2, C-1, C-2 and F. Therefore, a specified 12VAC Potter & Brumfield relay as well as other parts defined by standard create pulses which are close to real appearing transients.

Sales Partner:

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Operation:

A microprocessor-controlled 7" touch screen display unit is integrated and permits an easy operation of the generator. Following Parameters can be selected and varied:

Parameter	Variations
Standard routine	RI130, CI220, CI260
Mode	M1, M2, M3
Pulse form	A1, A1-1, A1-2, C-1, C-2, F
Test time	1-1000s, infinity (Standard values predefined)
Operation	Start / Pause / Stop

Depending on parameters selected, the internal SW0-SW4 of standard are switched automatically, its state is also displayed in the screen. Modes M1 (rectangle) and M2, M3 (pseudo random rectangle) are generated internal.

The CAR-TG 20 offers a battery Input on the left. Outputs for the DUT for pulse A1, A1-1, A1-2, C-1 and F are located on the right side. As well a coaxial bridge can be set between Terminal Pulse C and Sink to define Test CI200 or RI130.

For maintenance reasons, the Potter & Brumfield relay is easy to reach and changeable. Therefor a test time counter on that device is available to detect the end of life of that component. A reset button of that timer is also present.

The CAR-TG 20 excels by its compact design, simple handling and precise reproducibility of test impulses.

Schematic:





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Technical specifications:

CAR-TG 20

Mainframe	
Microprocessor controlled touch panel	7", capacitive
Mains power / BAT-IN	9V – 56 VDC
Dimensions, case, W * H * D	330*115*230 mm ³
Weight	8kg

Technically:



