

CS106 Pulse Generator



This generator is designed for the test of the transients conducted susceptibility of power leads according to MIL-STD-461F / CS106. These requirements are applicable to submarine and surface ship equipment and subsystem AC and DC input power leads. The pulse generator must be ordered with the active inductive coupler IC10M. Other accessories are available as an option in order to build the full test set-up, basically consisting of a calibration load, an oscilloscope, etc. The generator can be fully controlled by a computer through a RS232 or an USB interface.

This generator is also available as a module which has to be installed inside the POG-CS116 modular generator.

SPECIFICATIONS

Reference	PG-CS106	M-CS106
Type	standalone generator	module
Standard	MIL-STD-461F CS106	
Internal peak voltage	up to 500 V	
Peak current	8 – 100 A	
Repetition rate	1 – 15 pulses per second	
Rise time (0 – 100 %)	1.5 μ s \pm 0.5 μ s (on 5 Ω)	
Fall time (100 – 0 %)	3.5 μ s \pm 0.5 μ s (on 5 Ω)	
Pulse duration (0 – 0 %)	5 μ s \pm 22 % (on 5 Ω)	
Output impedance	\leq 2 Ω	
Output connector	Hummel M23	
Remote control	RS232 and USB	
Power supply	90 – 132 V _{ac} or 170 - 264 V _{ac} 50 - 60 Hz / 150 VA	internal
Dimensions (W x H x L)	45 x 19 x 56 cm	23.5 x 6.5 x 24 cm
Weight	13 kg	1.2 kg