



CS114 / 115 / 116 test installation

INTRODUCTION

This test system is designed to comply with the requirements of the following standards:

- MIL-STD 461 D/E/F CS114: conducted susceptibility, bulk cable injection, 10 kHz to 200 / 400 MHz
- MIL-STD 461 D/E/F CS115: Conducted susceptibility, bulk cable injection, impulse excitation.
- MIL-STD 461 D/E/F CS116: conducted susceptibility, damped sinusoidal transients, cables and power leads, 10 kHz to 100 MHz.

All signal generators and measurement systems are fully remote controlled through RS232, LAN or USB by a dedicated control software which:

- automatically calibrates the test setup according to standard or user defined injection levels stored as templates in the control computer
- automatically applies the test sequences
- automatically prints the calibration and test reports
- tremendously reduces the time needed to perform the tests
- set the applied perturbation levels and collect measured data, which reduces the risk of errors during the tests to almost zero.



SPECIFICATIONS

Subsystem	Specifications in brief
CS114 system TS-CS114	10 kHz - 400 MHz
CS115 generator PG-CS115	$U_{\text{charge}} \leq 5 \text{ kV} / T_r \leq 700 \text{ ps}$
CS116 generator PG-CS116-9	9 frequencies
Dimensions (H x W x D)	200 x 58 x 80 cm
Weight	170 kg

Accessories are available as an option: coupling clamp, LISN, attenuator, resistive load, switching system, computer, etc.

The CS116 generator is optionally available with 6, 9, 12 or 16 frequencies.