



## CS114 / 115 / 116 Test Installation

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, 4 / 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.



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

The CS114 system can be ordered with additional accessories used for EUTs intended to be installed on ships or submarines (common mode limit of 77 dB $\mu$ A from 4 kHz to 1 MHz). The CS116 generator is optionally available with 6, 9, or 17 frequencies.

### SPECIFICATIONS

<b>Subsystem</b>	<b>Specifications in brief</b>
<b>CS114 system TS-CS114</b>	10 kHz - 400 MHz (option: 4 kHz - 400 MHz)
<b>CS115 generator PG-CS115</b>	$U_{\text{charge}} \leq 5 \text{ kV} / T_r \leq 700 \text{ ps}$
<b>CS116 generator PG-CS116-9</b>	9 frequencies
<b>Dimensions (H x W x D)</b>	200 x 58 x 80 cm
<b>Weight</b>	170 kg