

CS 114 / 115 / 116 Test system

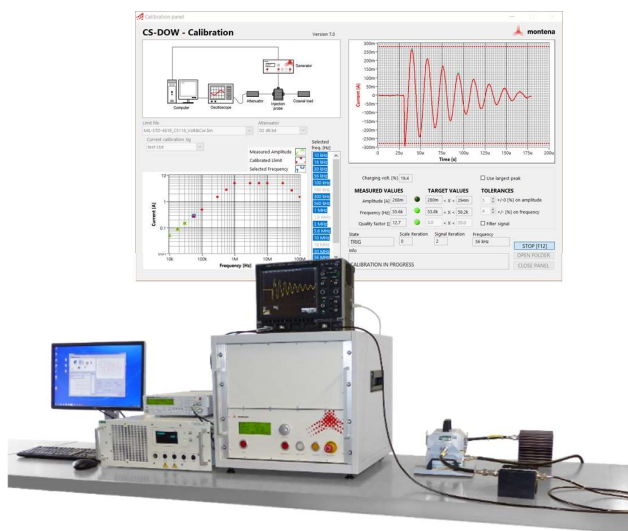
This test system complies with the requirements of the following standards:

- MIL-STD 461 D/E/F/G CS114
conducted susceptibility, bulk cable injection, 4 / 10 kHz to 400 MHz
- MIL-STD 461 D/E/F/G CS115
conducted susceptibility, bulk cable injection, impulse excitation
- MIL-STD 461 D/E/F/G CS116
conducted susceptibility, damped sinusoidal transients, cables and power leads, 10 kHz to 100 MHz

The system has one signal output for all CS 114 / 115 & 116 injections and does therefore not require any change of connections during the test. This feature reduces the test duration and enables automated calibration and test sequences. The system is proposed with a complete set of accessories, consisting of a coupling clamp, current probe, attenuators, resistive load, oscilloscope and control software.

The CS114 setup can be ordered with additional accessories used for EUTs intended to be installed on ships or submarines (common mode limit of 77 dB μ A from 4 kHz to 1 MHz).

Montena's CS116 generator is available with 6, 9, or 17 test frequencies. More frequencies allow a better excitation of the resonances of the EUT.



Examples of tabletop and rack-mounted solutions

SUBSYSTEM	SPECIFICATIONS IN BRIEF		
CS114 setup	4 / 10 kHz – 400 MHz		
CS115 generator	0 to 1 kV (on 50 ohm), $T_{rise} \leq 2$ ns, pulse duration ≥ 30 ns, $T_{fall} \leq 2$ ns		
CS116 generator	6 test frequencies: 10, 100 kHz 1, 10, 30, 100 MHz	option 9 test freq.: 10, 30, 100, 300 kHz 1, 3, 10, 30, 100 MHz	option 17 test frequencies: 10, 18, 30, 56, 100, 180, 300, 560 kHz 1, 1.8, 3, 5.6, 10, 18, 30, 56, 100 MHz
	Power rating	90 - 250 Vac / 50 - 60 Hz	
Weight	about 170 kg (19" cabinet version)		
Dimensions (H x W x D)	19" cabinet: 1600 (33U) x 600 x 800 mm		