

CS 114 / 115 / 116 Test system

This turnkey 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 200 / 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 helps to reduce test times 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.

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.

The equipment required for MIL-STD 461 CS101, CS109 and RS101 can be included in the same cabinet, allowing better sharing of equipment (oscilloscope, signal generator) and therefore cost savings.



Examples of tabletop and rack-mounted solutions

SUBSYSTEM	SPECIFICATIONS IN BRIEF		
CS114 setup	4 / 10 kHz – 200 / 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:	option 9 test freq.:	option 17 test frequencies:
	10, 100 kHz 1, 10, 30, 100 MHz	10, 30, 100, 300 kHz 1, 3, 10, 30, 100 MHz	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		