

Технические характеристики CEMS100 Compact EMS/EMI

Параметры		Значение
Частотный диапазон R&S@CEMS110/111	EMS	80 MHz to 1 GHz
Частотный диапазон R&S@CEMS130/131	EMS	80 MHz to 3 GHz
Частотный диапазон	EMI (optional with appropriate Rohde & Schwarz	30 MHz to 6 GHz
	test receiver)	
Напряженность поля	80 % AM 1 kHz, meets uniformity in line with IEC/	10 V/m
(100 % соответствует стандарту) для	EN 61000-4-3 for an area of 1.5 m × 1.5 m in a	
R&S@CEMS110/130	qualified 3 m semi-anechoic chamber (SAC),	
	distance from antenna phase center to EUT: 3 m	
Напряженность поля	80 % AM 1 kHz, meets uniformity in line with IEC/	10 V/m (typ.) ¹⁾
(для предварительных испытаний на соответствие) для	EN 61000-4-3 for an area of 1.5 m × 1.5 m in a	
R&S@CEMS111/131	typical	
	3 m semi-anechoic chamber (SAC),	
	distance from antenna phase center to EUT: 3 m	
Модуляция		AM, CW
		pulse (optional)
Программные опции		automatic determination of immunity thresholds
		measurement of radiated and conducted susceptibility
		use in product certification and precompliance tests
		measurements in line with commercial, military and automotive standards
		flexible adaptation to requirements of various EMC applications
		automatic control of system components

		integrated calibration concept
		various capabilities for EUT monitoring and stimulation
		interface to external EUT monitoring software
		flexible report generation (HTML, RTF, PDF)
		EUT-specific or application-specific data management
		operation of overall system like a single instrument
Источник питания		
Диапазон входного напряжения		100 V bis 240 V, 50 Hz bis 60 Hz, autoranging
Потребляемая мощность	230 V, single-phase, CEE connector, 16 A, 6 h	max. 1500 VA 2)
Данные антенны		
Частотный диапазон		30 MHz to 6 GHz
VSWR	starting at 200 MHz	2 (typ.)
Усиление антенны	starting at 200 MHz	8,5 dBi (typ.)
Коннектор		N female
Импеданс		50 Ω
Общие данные		
Условия окружающей среды		
Температура		+5 °C to +40 °C
Диапазон температур хранения		-20 °C to +70 °C
Относительная влажность		90 % at +40 °C
Электромагнитная совместимость	electromagnetic interference < 1 GHz	EMI emission limits for devices in class A of 40 dB
		in line with EN 55011 group 1 or FCC 047 CFR part
		18 are exceeded; the system may only be used

		in
		shielded rooms
	electromagnetic interference \geq 1 GHz	EMI emission limits for devices in class A of 40 dB
		in line with EN 55011 group 2 or FCC 047 CFR part 18 are exceeded; the system may only be used in
		shielded rooms
Dimensions (W × H × D)		600 mm × 1600 mm × 800 mm (23.6 in. × 63 in. × 31.5 in.)
Weight		max. 185 kg (408 lb.)