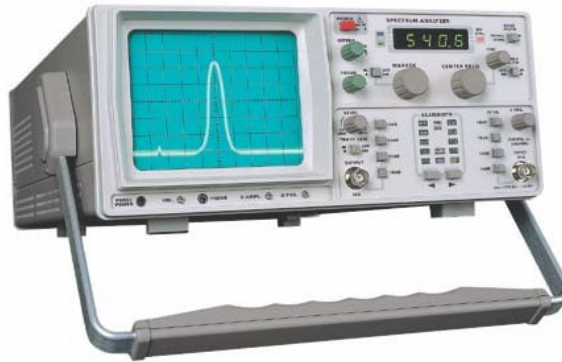


SM-5010*SM-5011

Spectrum Analyzer 1050MHz

SM-5010/5011 spectrum analyzer is used for the early test in the development of electrical products, troubleshooting of CAT/MATV system as well as the test and trouble diagnosis of cellular phone/paging systems. Combined with the near field probes of Mz530, it can detect the missing field of radio frequency.

SM-5011 is equipped with a tracing signal generator, and in the combined use if spectrum analyzer and tracing signal generator, it can complete the work which cannot be done by other frequency sweep system, such as sweep generator, oscilloscope, etc.



Specifications:

Specifications	SM-5010/5011 Spectrum Analyzer
Input frequency response	0.15~1050MHz,3dB
Display accuracy of central frequency	$\pm 200\text{KHz}$ (frequency sweep width +200KHz)
Accuracy of mark frequency	$\pm 0.1\%$ (frequency sweep width +100KHz)
Frequency display resolution	100KHz($4^{1/2}$ bit LED display)
Frequency sweep width	0.1MHz/div -100KHz/div with 1,2 and step system and 0Hz/div(0 frequency sweep) accuracy : $\pm 10\%$
Intermediate frequency bandwidth	20KHz and 400KHz
Video filter	(when on)4KHz
Amplitude range	-107~-13dB
Reference level	-27dB~-13dB(10dB for every step) $\pm 2\text{dB}$
Average noise level	-97dB(20KHz intermediate frequency width)
Display range of CRT screen	80dB(10dB/div)
Error of vertical display	$\pm 2\text{dB}$ (2 with attenuator) 250MHz signal
Input attenuator	0~40dB($4 \times 10\text{dB}$ step)error: $\pm 1\text{dB}/10\text{Db}$
Maximum input level	+10dBm,+25V DC(input attenuator set at 0dB) +20dBm(input attenuator set at 40dB)
Frequency stability	Over 150KHz/hour
Input socket type	BNC
Input impedance	50 Ω
Power supply	220V/110V; $\pm 10\%$;50Hz/60Hz
Tracing signal generator(SM-5011 only)	
Input frequency response	0.15~500MHz,3dB
Output level range	-50~+1dBm($4 \times 10\text{dB}$) $\pm 3\text{dB}$
Output attenuator	0~40dB($4 \times 10\text{dB}$ step) error: $\pm 1\text{dB}/10\text{dB}$
Input socket type	BNC
Input impedance	50 Ω