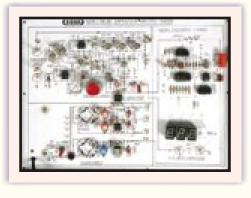# SIGMA

SPECTRUM ANALYSER APPLICATION DEMONSTRATIONS
MODEL - SA100S

This trainer has been designed with a view to provide practical and experimental knowledge of Spectrum Analyser.

SPECIFICATIONS

Application I

Filter Response   :   Four Filters, Very Precisely Designed for checking filter responses on spectrum Analyzer.
Types of Filters are

01. Low pass filter (Cut off 115MHz approx)
02. High pass filter (Cut off 100MHz approx)
03. Wide band pass filter (cut off 25MHz -280MHz approx)
04. Notch Filter or Narrow band reject filter (cut off 95MHz l60MHz approx)

Application II.

DC Amplifier frequency Response A well designed DC Amplifier having 3dB cut off bandwidth of approx. 130MHz.

Application III

Harmonic Display & Analysis: A Function generator of frequency range approx. 40KHz -400KHz and 200KHz -2MHz having sine, square, & triangular output with frequency variation and output Level variation. Anyone output could be given to spectrum Analyzer for harmonic display.

Application IV

Cable TV application: Three Channel modulator & one mixer is cascaded channel modulations have Audio and Video Inputs. The output of modulators and mixer can be seen on spectrum Analyzer.

Application V

Live Signal Application:
Four Types of Signal can be seen on spectrum Analyzer

01. Mobile phone forward and reverse link frequency.
02. Cordless phone transmitting & receiving frequencies
03. FM Radio Reception (Demodulated Audio Output)
04. TV Signal Reception (Demodulated Audio Output)

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.