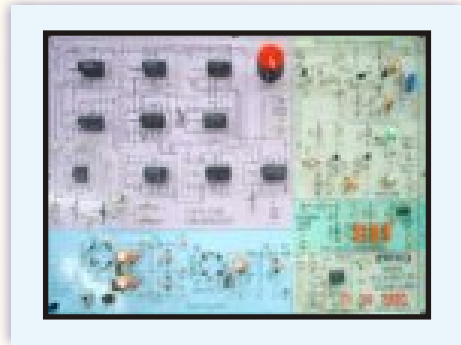# SIGMA

NOISE GENERATION TECHNIQUES TRAINER
MODEL - COM120A

This trainer has been designed with a view to provide practical & experimental knowledge of different types of Noise Generation Techniques.

SPECIFICATIONS

1.	Power supply requirement	:	230V AC, 50 Hz.
2.	Built in IC based power supply.		
3.	Noise Generators	:	1. PRBS White Noise Generator.
			2. Analog White Noise Generator.
			3. Pink Noise Generator.
4.	Filters	:	1. Narrow band
			2. Wide band with variable Center frequency and Bandwidth.
5.	All parts are soldered on single PCB with complete circuit diagram Screen-printed.		
6.	Standard Accessories	:	1. A Instructional Manual.
			2. Connecting wires

EXPERIMENTS

1. To study theory of Noise generator and matched filter.
2. To generate White noise by PRBS (Pseudo Random Binary Sequence) technique.
3. To generate White noise by Zener diode technique.
4. To generate Pink noise from White Noise.
5. To generate Narrow band and Wide band Noise and observe its characteristics.

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