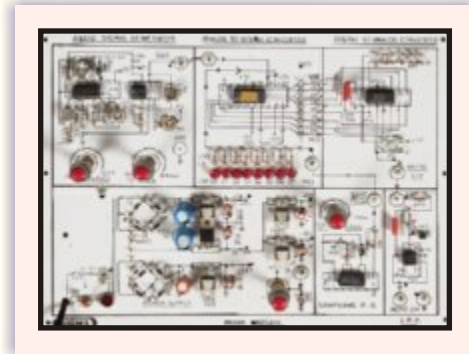




# ANALOG TO DIGITAL AND DIGITAL TO ANALOG CONVERTER MODEL - ADCDAC100K

This trainer has been designed with a view to provide practical and experimental knowledge of Analog to Digital and Digital to Analog Converter.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based regulated Power supply : +15V to -15 V DC/200 mA.
3. Following parts provided on Single PCB with connecting terminals.  
Analog to Digital converter. - IC ADC0820 - 1 No.  
Digital to Analog converter. - IC ICL8018A - 1 No.
4. Built in Audio Signal generator for digital conversion of audio signal: 1KHz
5. Logic output Indicators : 8 LEDs provided for output level indication.
6. High /Low switches : 8 Nos provided to apply 0 and 1 level
7. Active Low Pass Filter Cut off Frequency : 3.4 KHz.
8. Standard Accessories : User Manual with practical and circuit diagrams.  
Connecting patch cords

## EXPERIMENTS

1. To carry out Analog to Digital conversion process of analog signal.
2. To carry out Digital to Analog conversion process of digital signal.
3. To study transfer characteristics, code central line method of non-linearity study, differential non-linearity, integral non linearity, resolution

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

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