



Sciencetech TechBooks are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

**Sciencetech 2601 Analog to Digital Converter** composes of the devices transforming an analog signal into discrete signals. It converts continuously varying signal with time into discrete signal. The Analog to Digital converter Sciencetech 2601 TechBook demonstrates two techniques :

- 4 bit stair case ramp ADC
- 8 bit successive approximation ADC

### Features

- 4 bit discrete & 8 bit monolithic converters
- Unipolar & Bipolar DC Voltages
- O/P status displayed by LED
- Functional block indicated on board mimic
- Built in DC Power Supply

### Scope of Learning

- Analysis of operation of counter converter
- Testing the working of a monolithic converter

### Technical Specifications

#### A/D Conversion

4 bit discrete (ramp)

8 bit monolithic converter

**Signal Source** : Unipolar & Bipolar DC voltages

**O/P Indication** : By LEDs separate for each type

**Inter connections** : 2 mm banana socket

**Dimensions (mm)** : W 326× D 252 × H 52

**Weight** : 1 Kg approximately

**Power Supply** : 110-220 V, ±10%, 50/60 Hz

**Power Consumption** : 3 VA approximately

**Product Tutorial** : Online on [www.SciencetechLearning.com](http://www.SciencetechLearning.com)

#### Included Accessories :

Patch cord 16" (2mm) : 16 nos.

Mains cord : 1 no.