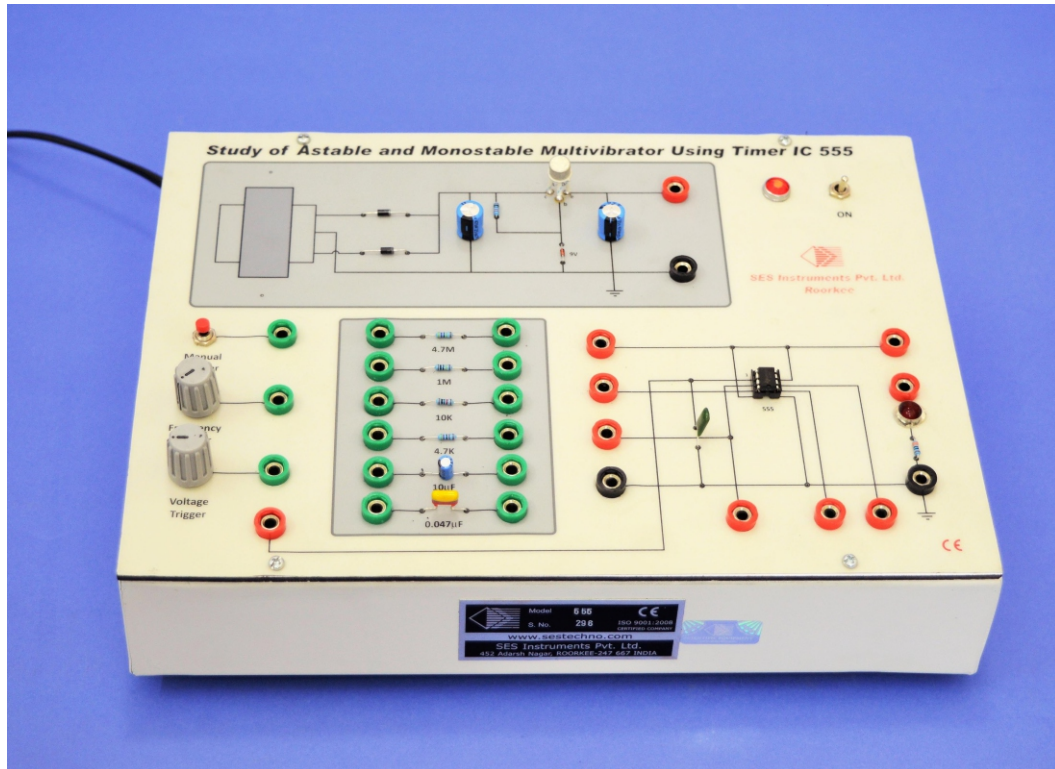


555

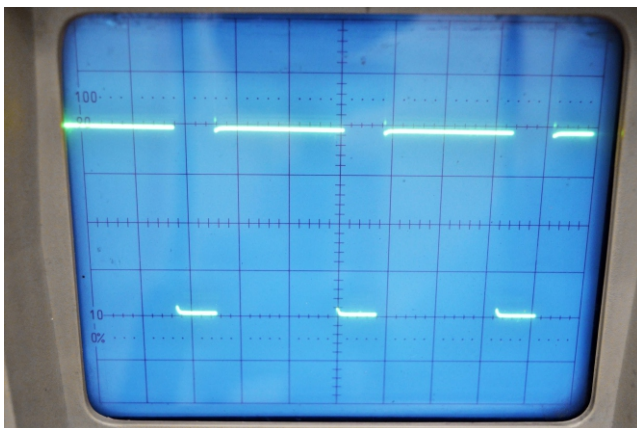
Study of Astable & Monostable Multivibrators

Study Of Astable & Monostable Multivibrators Using Timer Ic: 555



Features

- Operation as a free running/ astable multivibrator
- Operation as a monostable multivibrator
- Operation as a preset time delay



Introduction

555 timer is a highly stable integrated circuit capable of functioning as an accurate time-delay generator and as an astable multivibrator or free running multivibrator. When used as an oscillator the frequency and duty cycle are accurately controlled by only two external resistors and a capacitor. Some of its important features are timing from micro-seconds through hours, monostable and astable operation, trigger and reset inputs are logic compatible, and output compatible with CMOS, DTL and TTL (when used with 5V supply).

The set-up consists of 555 IC with facilities for convenient connection at the board, a power supply, built-in facilities for various type of triggers-variable frequency, variable voltage, and manual. The resistors and capacitors required are mounted on the board.

The set-up is complete in all respect, including patch chords