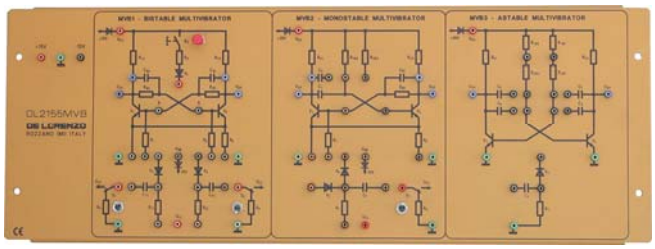
ELECTRONICS

INTEGRATED COMPONENTS LINEAR ELECTRONICS

Transistor Multivibrators



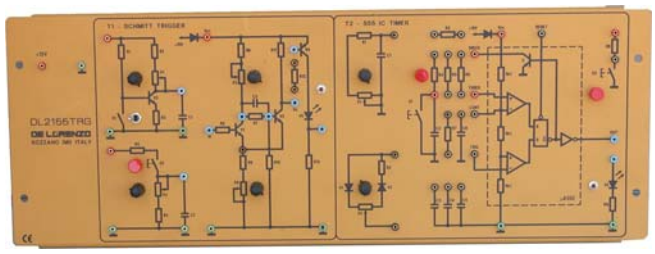
DL 2155MVB

The board is designed to study and experimentally check the most popular configurations of transistor-based multivibrating circuits.
The board is divided into three main sections. The first section deals with bistable multivibrators in fixed bias and self-biased configurations.
The various set, reset and trigger controls are analyzed.
The second section affords the study of monostable multivibrators with fixed bias and self bias and the relevant controls. The third section is dedicated to the astable multivibrators.
The board is supplied complete with a set of stackable, plug-in cables of suitable lengths and colours and with a training manual.
Power supply: ± 15 Vdc, 100 mA

Experiments

- Analysis of the bistable multivibrator with fixed and self bias
- Check of set, reset and trigger controls operation
- Analysis of the monostable multivibrator with fixed and self bias
- Check of the trigger control
- Analysis of the astable multivibrator

Schmitt Trigger and NE555



DL 2155TRG

The board allows to analyze the operation of Schmitt trigger and NE 555 integrated circuit.
It is composed of two sections.
The first section allows the study and the experimental checking of the Schmitt trigger. Also two typical applications of this circuit are analyzed: threshold detector and clipper.
The second section is dedicated to the study of the 555 integrated circuit.
This is a flexible and widely used integrated circuit. It is used to generate delays, pulse trains and adjustable duty-cycle square waves.
The board allows to analyze the block diagram and to experimentally check the most widespread applications.
The board is supplied complete with a set of stackable, plug-in suitable lengths and colours and with a training manual.
Power supply: + 15 Vdc, 50 mA

Experiments

- Analysis and study of Schmitt trigger operation
- Use of Schmitt trigger as threshold detector and clipper
- Analysis of the block diagram of NE 555 integrated circuit
- Use of NE 555 as astable and monostable multivibrator