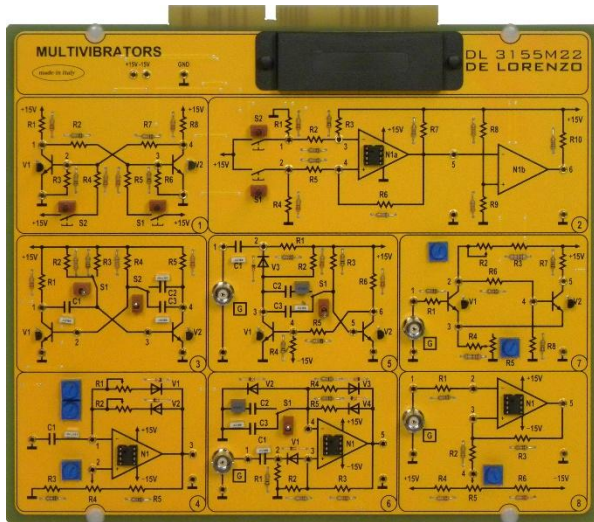


MULTIVIBRATORS



DL 3155M22

The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

With this board the students can study the features of the multivibrators using both the transistor BJT that the operational amplifier.

THEORETICAL TOPICS

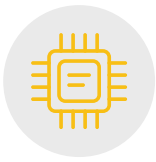
- BJT bistable multivibrator
- Resolution or transition time
- Bistable multivibrator using the operational amplifiers
- BJT astable multivibrator
- Astable multivibrator using the operational amplifiers
- BJT monostable multivibrator
- Monostable multivibrator using the operational amplifiers
- Schmitt trigger
- Schmitt trigger using the operational amplifiers
- Fault simulation

CIRCUIT BLOCKS

- Operation modes of a BJT bistable multivibrator (flip-flop)
- BJT bistable multivibrator (flip-flop) using the operational amplifiers
- Operation modes of a BJT astable multivibrator
- Astable multivibrator using the operational amplifiers
- Operation modes of a BJT monostable multivibrator
- Operation modes of a monostable multivibrator using the operational amplifiers
- Operation modes of a BJT Schmitt trigger
- Schmitt trigger

Complete with theoretical and practical manual.

Dimensions of the board: 297x260mm



ELECTRONICS



CAI SOFTWARE:

Each board of the TIME system can be supplied complete with a Student Navigator software that allows students to perform their learning activities through a Personal Computer, without the need for any other documentation.

Ordering code: please add SW after the code of the board (i.e. DL 3155M22SW)

Required:

POWER SUPPLY NOT INCLUDED

Base frame with power supply (completed with connecting cables):

- **DL 3155AL3** - Base frame with power supply and interface to pc and virtual instrumentation
- **DL 3155AL2** - Base frame with power supply and interface to pc

Basic power supply (connecting cables not included):

- **DL 2555ALF** - DC power supply $\pm 5 \pm 15$ 0 ± 15 Vdc, 1A
- **TL 3155AL2** - Connecting cables

Choosing this power supply, for the execution of the experiments, it is normally required the use of an oscilloscope and two multimeters.

