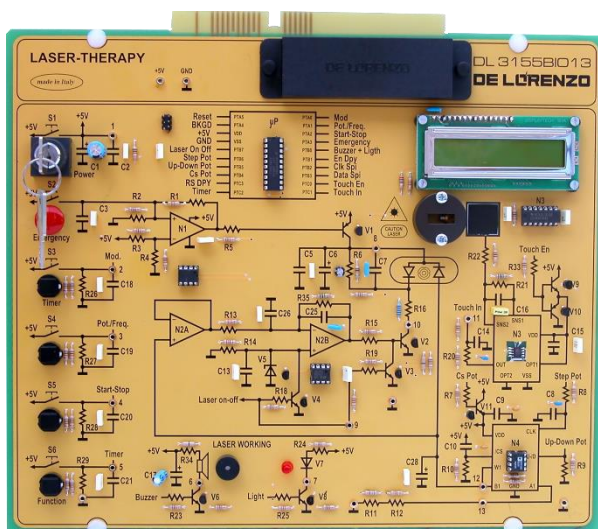




LASER THERAPY



DL 3155BIO13

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

I.R. is a beam of non visible, unidirectional and monochromatic light (since it is emitted in the infrared band) that transfers remarkable amounts of energy represented by photons. This radiation does not produce heat, it does not alter the tissues and it is not felt by the patient that is under therapy. It performs an anti-inflammatory and revitalizing action.

THEORETICAL TOPICS

- Introduction to the Laser
- Features of the Laser
- Nd:YAG Laser
- CO₂ Laser
- Semiconductor Laser

CIRCUIT BLOCKS

- Main applications of the laser therapy
- Typical circuit of an IR laser

Complete with theoretical and practical manual.

Dimensions of the board: 297x260mm

This board does not substitute the medical device under study. The results of the experiments have no medical value. They are just for demonstration purposes.

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 3155BIO13SW)

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 $\pm 5 \pm 15$ Vdc 0 ± 15 Vcc, 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.

