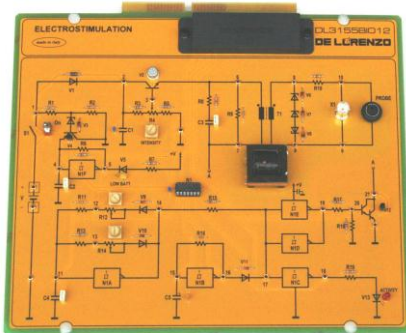




ELECTROSTIMULATION



DL 3155BIO12

The electro stimulation, or the involuntary muscular contraction that is caused by electrical pulses, is a practice used both in rehabilitation and in sport or fitness. It causes selective muscular contractions, more powerful and extended than those that are possible through voluntary efforts; it allows, without physical efforts, amazing results such as the increase of the tone and of the volume of the muscles; it increases the metabolism of the fats with consequent reduction of the adipose zones; it tones up the muscles and it progressively reactivates the functionalities of limbs that need re-education.

Theoretical topics:

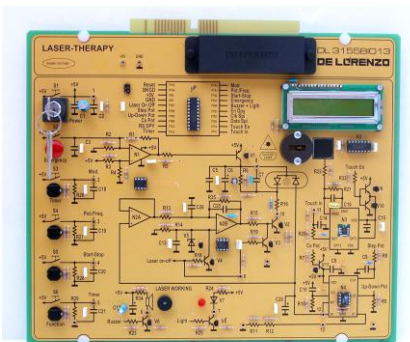
- Biomedical techniques for the electrostimulation
- The electrostimulation for passive gymnastics
- The electrostimulator

Circuit blocks:

- Main therapeutical effects in sport and beauty fields
- Typical circuit that is used in electro stimulation

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.

LASER THERAPY



DL 3155BIO13

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

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.