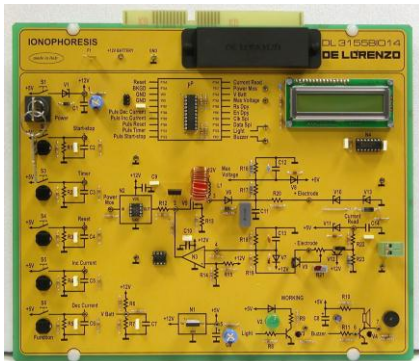




## IONOPHORESIS



DL 3155BIO14

The ionophoresis is a technique that allows the substances in ionic form to penetrate from the surface of the skin to the deeper layers through a current. These substances, named active principles, of different dimensions and molecular weights, become extremely effective because they act inside the skin tissues at higher concentrations.

### Theoretical topics:

- Leduc experiment
- Physical-chemical bases
- Therapeutic effects
- Application methods

### Circuit blocks:

- Main therapeutic effects
- Typical circuit that is used in the ionophoresis

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.

## ULTRASOUND THERAPY



DL 3155BIO15

The penetration power of ultrasounds in the tissues of the human body has revolutionized the field of medical diagnostics. This property is successfully used also in physiotherapy, where ultrasounds have demonstrated a remarkable curative validity in several affections, such as arthritis, lumbagos, articular stiffness and many others.

### Theoretical topics:

- Ultrasound
- Medical applications of ultrasound
- Method of application
- Oscillators
- Power supply switching

### Circuit blocks:

- Main applications of the ultrasound therapy
- Typical circuit used in ultrasound therapy

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.