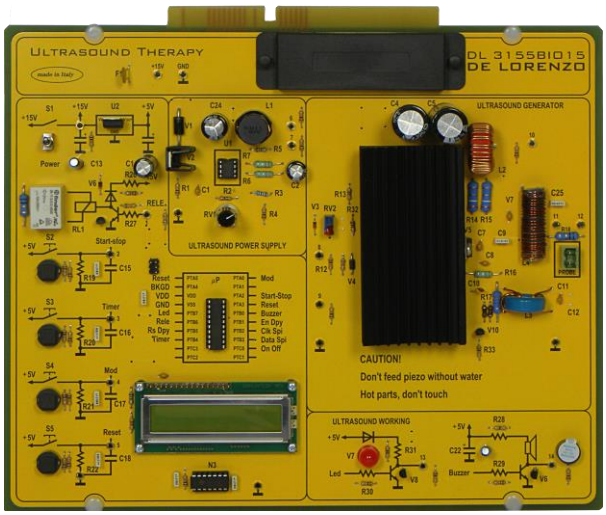
TIME ELECTRONIC BOARDS

ULTRASOUND THERAPY



DL 3155BIO15

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

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

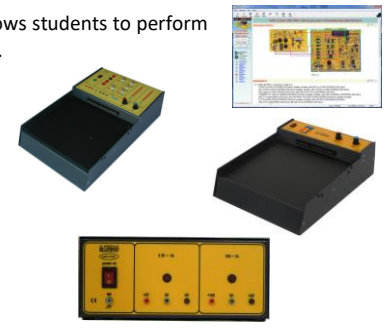
CIRCUIT BLOCKS

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

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 3155BIO15SW)



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 2555ALG -** DC power supply ±5 ±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.