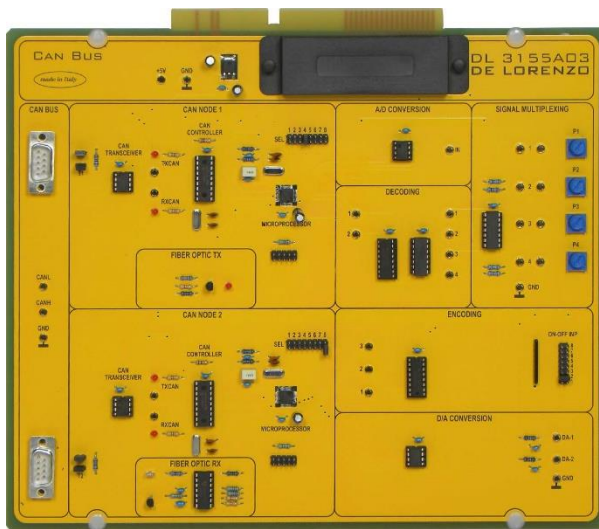




CAN BUS



DL 3155A03

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 and analyse the CAN (Controller Area Network) BUS and its application in automobiles:

THEORETICAL TOPICS

- Introduction to CAN BUS and its standards
- Characteristics and functioning
- Implementation of CAN BUS
- Multiplexing and A/D Conversion
- D/A Conversion
- Transmission / reception with fibre optic

CIRCUIT BLOCKS

- Can bus
- Can node 1
- Can node 2
- A/D conversion
- Decoding
- Signal multiplexing
- Encoding
- D/A conversion

Complete with theoretical and practical manual.

Dimensions of the board: 297x260mm

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 3155M07SW)

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 $\pm 5 \pm 15$ 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.

