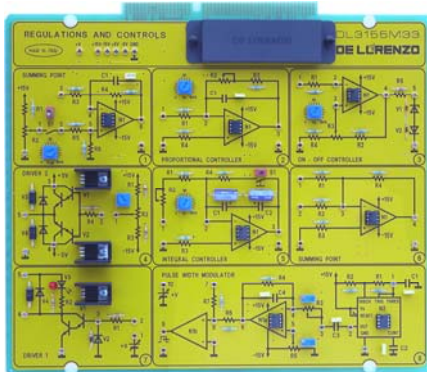


TIME ELECTRONIC BOARDS

REGULATION AND CONTROL



DL 3155M33

Theoretical topics:

- Control and regulation
- Types of controls
- Automatic regulation systems
- Proportional regulation (P)
- Integral regulation (I)
- Derivative regulation (D)
- Proportional-Integral-Derivative regulation (PID)
- ON-OFF regulation
- PWM regulation
- Characteristics of the transducers
- Position transducers
- Speed transducers
- Pressure transducers
- Temperature transducers
- Thermistors
- Actuators
- Dc motors
- Peckling motors
- Fault simulation

APPLICATION BOARD FOR MOTOR SPEED CONTROL



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- Characteristics of an encoder
- Operation of an open loop and closed loop system

APPLICATION BOARD FOR TEMPERATURE CONTROL



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- Characteristics of the temperature sensor
- Characteristics of the heater
- ON-OFF control of the temperature
- Closed loop proportional control of the temperature
- Closed loop proportional-integral control of the temperature