



BRUSHLESS DC MOTOR TRAINER

This product is a complete didactic system for the study of 3 disciplines (DC brushless motor, PLC and Human Machine Interface HMI), important in both industrial and civil sectors.



DL 2131

It has been developed as an “open” system; each hardware component is independent from the other ones, allowing the study of each system in autonomous way, connecting other existing equipment of the laboratory.

Technical Specifications

- **Brushless DC motor**
 - Ideal for handling and positioning applications
 - Variable speed control (PWM) with 4-quadrants
 - Power supply: 24Vdc
 - Speed and Current (no load): 4200rpm/0.4A
 - Speed/torque/current (with load): 3250rpm/0.24Nm/4.8A
 - Output type: PNP/50mA
- **PLC**
 - LCD display with 4 lines of 18 characters
 - Power supply: 24Vdc
 - Inputs: 16 digital (of which 6 can also be analog)
 - Outputs: 10 solid states/0.5A (of which 4 can also be PWM)
 - Equipped with multilingual programming software with special functions (Ladder/FBD)
 - 3 operating modes for programming with complete reliability (Editing, Simulation and Monitoring)
- **HMI**
 - Display type: TFT LCD
 - Display size (diagonal): 4.3”
 - Max Colors: 65536
 - Resolution: 480x272
 - Touch screen: 4-wire, analog resistive
 - CPU and core logic: 32Bit RISC 400MHz processor
 - DRAM: 64MB DDR2 on board
 - I/O: 1 serial port COM1 RS485 and 1 Ethernet Port (10/100 Base-T)
 - Power supply: 24Vdc
 - Software: EB8000 with multilingual programming