



SCM and Motion Control Experiment Training System DLDP-YDKZ

Our motion control training set can provide an ideal training platform for automatic control and relevant professional teaching. ARM module and ARM Plugins adopt Philips LPC2132 , with special reset circuit, ISP online programming, I2C read and write and other functions. Body of motion control training set adopts aluminum. Body motion control system using standard design and manufacture of aluminum alloy. Moving parts using precision linear bearing guide, drive a stepping motor, drive with gear-type timing belt. Equipped with closed-loop control can be used to shift the incremental rotary encoder. How group close to the switch and the magnetic reed

switch can be used to limit and position control. Sports body also configured by the electromagnet driven Pen Holder, in preparation of the corresponding control software enables the function plotter.

Training Contents

Motion control system training

- 1 Motion direction and speed control training
- 2 Motion limiting and positioning control training
- 3 Acceleration and deceleration motion control training of single-axis linear motion
- 4 Working principle and application training of two-dimensional linear coordinates
- 5 Incremental encoders application in motion control
- 6 Controlling table movement through computer; serial port
- 7 Plotter training

51MCU control module training

- 1 Working principle and application training of ISP in system program
- 2 External data memory; working principle and control method training
- 3 Working principle and control method training of I/O interface IC
- 4 EEPROM memory working principle and control method training
- 5 I/O memory working principle and control method training
- 6 Timer memory working principle and control method training
- 7 External interrupt working principle and control method training
- 8 Serial Communication Training

Special module training

- 1 LED digitron and button control training of CH451(CH452) special chip
- 2 LCD; working principle and control method training
- 3 Compilation method training of LCD's character dot matrix
- 4 Working principle and control method training of stepper motor drive circuit 3955