

ELECTRO-PNEUMATIC TRAINING SET (EP203)

Description

The Electro Pneumatic Training Set is an educational kit designed to teach the principles of electro-pneumatic systems. It combines electrical and pneumatic components to help users understand how to control pneumatic devices using electronic signals. The set typically includes a variety of sensors, actuators, and control units, along with instructional materials to guide users through hands-on experiments and exercises. It's often used in vocational training and educational settings to provide practical experience in automation and control technologies.

Able to learn : -

- Physical principles of pneumatic control
- Distribution of air compressor & application
- Design of electro-pneumatic control system
- Design electro-pneumatic schematic, logic and symbol
- Application of differential electrical solenoid valve
- Use of electrical limit switch
- Use of pressure switch
- Use of proximity sensor
- Electrical latching circuit
- Pneumatic rotating actuation
- Pneumatic suction regulation and measurement
- Logical AND/OR function of switch-on signal
- Construct control system using relay unit
- Operation control with timer relay
- Fault findings in electro-pneumatic control system



Optional Item

- Computer Workstation
- PLC Training Kit

Required Item

- Pneumatic basic working table (double side)
- Magnetic symbol (Electro-Pneumatic)
- Electro-Pneumatic Operation Manual
- Electro-Pneumatic Experiment Manual
- Electro-Pneumatic training set
- Air Compressor

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Technical Specification : -

No	Component	Qty
1	Air Service unit	1
2	8 way Air distributor	1
3	Single-acting cylinder - spring return	1
4	Double-acting cylinder with magnetic	2
5	T-connector	10
6	One-way flow control valve	4
7	3/2-way solenoid valve (Normally closed)	1
8	5/2-way single solenoid valve	2
9	5/2-way double solenoid valve	2
10	Pressure switch	1
11	Push-button switch module (3-fold)	1
12	Relay module (3-fold)	2
13	Digital time relay module	

No	Component	Qty
14	Digital counter module	1
15	Pilot lamp & buzzer module	1
16	Inductive sensor	1
17	Capacitive sensor	1
18	Optical sensor	1
19	Electrical limit switch (left)	2
20	Electrical limit switch (right)	2
21	Air Motor unit	1
22	Plastic hose (1M)	20
23	Hose cutter	1
24	Cable set	1
25	Power supply 24Vdc, 5A	1
26	Load module	1