PROPORTIONAL PNEUMATICS TRAINING SET

RE 340

Description:

Progress in automation systems increases the need to control the pressure, flow, and direction of fluid flow in pneumatic systems by electrical systems. In this case, pneumatic proportional valves and electric controls are the right choice. In this training set, the possibility of communication is provided by proportional regulator, flow meter and proportional 3/5 valve and the presence of PLC system and analog input and output cards. Pneumatics is one of the types of energy that is currently widely used in all kinds of industries, and it can be said that nowadays there are few factories or industrial centers that do not use pneumatics. The main factor in the operation of the pneumatic system is air, and air is abundant everywhere on earth. Compressed air can be directed through piping to different parts of the factory or industrial centers for the operation of pneumatic systems. This device has a board chassis and a strong table with a special design for testing pneumatic circuits.

Specifications:

- Air compressor 10bar50litr
- PLC siemens s7 1200
- Single-acting cylinder
- Proportional valve
- Analogue input &analogue output
- 8 digital input&6digital output
- Pressure transmitter 0-10bar
- Pressure switch
- Flow transmitter
- Double-acting cylinder 2item
- Air motor
- And valve
- Or valve
- Pressure regulator valve with gauge
- 5/3valve double solenoid
- 5/2 double solenoid
- 3/2 valve pushbutton actuator
- 5/2 valve pushbutton actuator
- Pedal valve
- Collector
- Cylinder sensor 4item
- Capacitive sensor
- proximity sensor
- limit switch
- Software TIA Portal
- Installation and training video included
- Instructions manual included
- 10-year warranty

*Compressed air line or a compressor is required for operation

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

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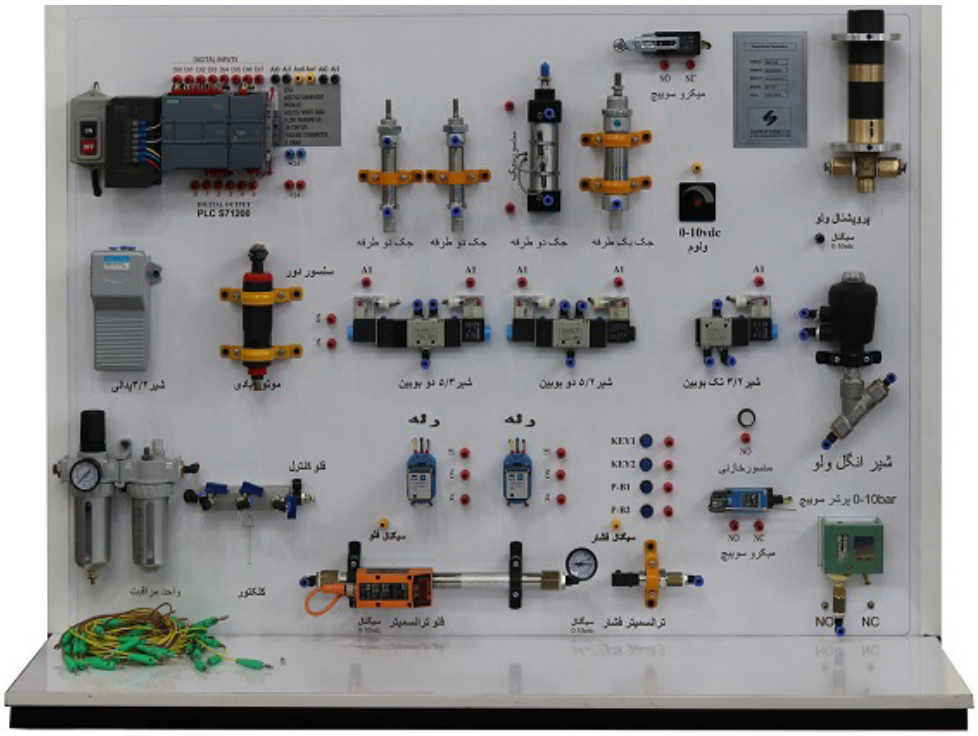
Applications:

1. Investigating the performance of one-way piston cylinder and 2/3 valve.
2. Investigating the performance of two-way piston cylinder and two 2/3 valves
3. Investigating the performance of the two-way piston cylinder and 2/5 valve
4. investigating the automatic reciprocating movement
5. Introduction of Shut Valve (OR)
6. Introduction of Shut Valve (And)
7. Investigating the performance of the quick drain valve
8. Application of analog input and output to equipment to control pressure and flow

Required For Operation:

- 220V Single Phase Electricity
- Compressed Air Line Or a Compressor (In case these Items are not available in the laborutory they can be purchased seperately)
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



Dimensions (L*W*H) mm:1000x 500 x 1400