

Product Description :

Microline Advance Pneumatic Trainer kit Platform explores students & industry professionals to the principles of pneumatics and compressed air devices. It tells, how components manage, command, direct or regulates pneumatically. All types of pneumatic controls are explained in the Platform.

Microline Pneumatic Training Platform has pneumatic components which can be used for the study of Pneumatics. There is a wide range of experiments which can be performed on the Platform.

Product Features:

Pneumatic Trainer Kit, each consisting of the following matching components and accessories:-

- I. Single Acting Cylinder Max. Stroke length 50 mm. Bore Dia 20mm.
- II. Double acting cylinder Max. Stroke length 100 mm. Bore Dia 20 mm magnetic type.
- III. 3/2-way valve manually-actuated normally closed
- IV. 3/2-way valve pneumatically-actuated. Spring return.
- V. One-way flow control valve.
- VI. 5/2-way valve with manually-operated switch
- VII. 5/2-way valve pneumatically-actuated spring return
- VIII. 5/2-way valve pneumatically-actuated valve, Double pilot 1no.
- IX. 3/2-way roller lever valve direct actuation Normally Closed. 2nos
- X. Shuttle valve (OR) 1no.
- XI. Two-pressure valve (AND) 1no.
- XII. Pressure gauge 0-16 bar 1 no.
- XIII. Manifold with self-closing NRV, 6-way 1no.
- XIV. Pushbutton station for electrical signal input with 3 illuminated momentary-contact switches (1 NO + 1 NC) and 1 illuminated maintained-contact switch (1 NO + 1 NC) Contact load 2A.
- XV. Relay station with 3 relays each with 4 contact sets (3NO+1NC or Change-over type). 5 A
- XVI. 3/2-way single solenoid valve with 1 ED.
- XVII. 5/2-way single solenoid valve with manual override and LED.
- XVIII. 5/2-way double solenoid valve with manual override and LED.
- XV1X Compressor unit, Suitable for Pressure: 8 bar, Delivery: 50 lpm , Reservoir capacity: 24 Litres
230V, 50 Hz, with pressure regulator and water separator- 1 No.
- XX. Power supply unit, input voltage 85-265 V AC, Output voltage : 24 V DC, Output current: max. 4.5 A, Short-circuit-proof.
- XXI Profile Plate. Anodized Aluminum 1100x700 mm, with carriers. Mounting frames and mounting accessories



Scope of Learning

- To Study Compressed Air Distribution System
- To Study Operation Of Different Pneumatic DCV's
- To Study Operation of Flow Control Valve
- To Study Operation of Pressure Relief Valve
- To Study Operation of Linear Actuators
- To Study Operation of Rotary Actuator
- To Test Speed Control Circuit
- Automatic Reciprocating Circuit

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