



Product Code . EL-CTM-11747

Electro Pneumatic Trainer

Description

Electro-Pneumatic Trainer

Description:-

The Electro Pneumatic Trainer outlines basic of pneumatic control systems along with its components and their applications.

It demonstrates the design, construction, and applications of Electro-Pneumatic components and circuits.

Specification:-

Single Acting Cylinder:- Bore: 25 mm x Stroke: 100mm, Mounting: Foot

Double Acting Cylinder:- Bore: 25 mm x Stroke: - 100mm, Mounting: Foot

Block Manifold:- ¼", 6 ways.

AND Valve- Dual Pressure Valve, ¼" connection.

Shuttle Valve:- OR Valve, ¼" connection.

Sintered Silencer:- ¼" connection.

A.F.R. / F.R.L. Unit:- ¼" Connection, 0-10 Kg/cm²

Solenoid Valve:- 2 Nos, 5/2 way, ¼" , 230VAC/24 V & 3/2 way, ¼" , 230 VAC/24 V DC

Flow Control Valve:- ¼" (F), Square Body.

Non-Return Valve:- ¼" connection

Male Connector:- ¼" connection.

Indicating Lamp:- 24 VDC Operated.

Proximity Sensors:- Type: Inductive 2 wire, Diameter: 18 mm, Sensing Distance: 5 mm.

Pressure Gauge:- 0-7 Kg/cm², connection ½" BSP, Dial Size: 100 mm

Pneumatic Motor- Unidirectional, Free Speed: 22,000 RPM, Air pressure: 0-90 psi,

Electrical control panel- MS Powder coated panel with switches, indicator, Test Points, controller on front fascia, UK 2.5 Terminal Connectors mounted on DIN rail channel, Use of 1sq mm multistrand wire with proper insulated Lugs, Ferruling & neat wire dressing & clamping Wires & power cables are seated through 1"x1" PVC cable tray.

Dimension: 1ft (L) x 1ft (W) x 1ft (H)

Quick Push-Pull connectors:- Sufficient shall be supplied for branching of the tubing for making of the circuitry.

Plastic Tubing:- PUN 4 x 0.75, Exterior Diameter-6mm, Interior Diameter- 4mm, Transparent – 10mtr, Blue-10mtr

Relay Module- 24V DC supply, 2 NO/NC contacts, panel mounting type.

Air Compressor (Optional):- Tank capacity: 25 Liters, Discharge: 2 CFM

Motor: 2 H.P. 230 V AC Operated, Working pressure: 5-6 kg/cm².

Feature:-

Enhanced Electrical Safety Considerations.

Training Manuals mimic Charts for Operation Ease.

Compact Ergonomic Design.

User-Friendly, Self Explanatory Systems.

Leak-proof Safety Measures, sturdy piping & Robust Construction.




M.S. powder coated cubical plant with standard Instrument Assemblies.

Inbuilt Safety Measures to avoid improper usage.

Relay board logic circuit operation.

Profile Plate.

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Electro-Pneumatic components and circuits. Specification:- Single Acting Cylinder:- Bore: 25 mm x  
Stroke: 100mm, Mounting: Foot Double Acting Cylinder:- Bore: 25 mm x Stroke: - 100mm, Mounting:  
Foot Block Manifold:- ¼", 6 ways. AND Valve- Dual Pressure Valve, ¼" connection. Shuttle Valve:-  
OR Valve, ¼ connection. Sintered Silencer:- ¼ connection. A.F.R. / F.R.L. Unit:- ¼ Connection, 0-10  
Kg/cm2 Solenoid Valve:- 2 Nos, 5/2 way, ¼ , 230VAC/24 V & 3/2 way, ¼, 230 VAC/24 V DC Flow  
Control Valve:- ¼ (F), Square Body. Non-Return Valve:- ¼ connection Male Connector:- ¼  
connection. Indicating Lamp:- 24 VDC Operated. Proximity Sensors:- Type: Inductive 2 wire,  
Diameter: 18 mm, Sensing Distance: 5 mm. Pressure Gauge:- 0-7 Kg/cm2, connection ½ BSP, Dial  
Size: 100 mm Pneumatic Motor- Unidirectional, Free Speed: 22,000 RPM, Air pressure: 0-90 psi,  
Electrical control panel- MS Powder coated panel with switches, indicator, Test Points, controller on  
front fascia, UK 2.5 Terminal Connectors mounted on DIN rail channel, Use of 1sq mm multistrand  
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Blue-10mtr Relay Module- 24V DC supply, 2 NO/NC contacts, panel mounting type. Air Compressor  
(Optional):- Tank capacity: 25 Liters, Discharge: 2 CFM Motor: 2 H.P. 230 V AC Operated, Working  
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