



### Features

- Compact Ergonomic Design.
- ISO Symbol for each mounted components
- User Friendly, Self Explanatory Systems.
- Leak proof Safety Measures, sturdy piping & Robust Construction.
- Enhanced Electrical Safety Considerations.
- Training Manuals mimic Charts for Operation Ease.
- M.S. powder coated cubical plant with standard Instrument Assemblies.
- Inbuilt Safety Measures to avoid improper usage.
- Relay board logic circuit operation.
- Profile Plate.
- Caster wheel mounted movable frame

### Experiments

- Study of pneumatic actuator & reciprocating cylinder trainer kit with different logical Circuits such as OR, AND etc. operations
- Study of pneumatic cylinders, single acting, double acting.
- Study of construction & operation of pneumatic equipments such as 5/2-way Solenoid valve, 3/2-way valve, limits switches, pneumatic motor etc
- Study of pneumatic control systems.

### Technical Specification

No.	Item Name	Technical Specifications
1	Single Acting Cylinder	Bore: 25 mm x Stroke: 100mm, Mounting: Foot
2	Double Acting Cylinder	Bore: 25 mm x Stroke: - 100mm, Mounting: Foot
3	A.F.R. / F.R.L. Unit	1/4" Connection, 0-10 Kg/cm2
4	Solenoid Valve	2 Nos, 5/2 way, 1/4" , 230VAC/24 V & 3/2 way, 1/4" , 230 VAC/24 V DC
5	Flow Control Valve	1/4" (F), Square Body.
6	Non Return Valve	1/4" connection
7	Block Manifold	1/4", 6 ways.
8	AND Valve	Dual Pressure Valve, 1/4" connection.
9	Shuttle Valve	OR Valve, 1/4" connection.
10	Sintered Silencer	1/4" connection.
11	Male Connector	1/4" connection.
12	Indicating Lamp	24 VDC Operated.
13	Proximity Sensors	Type: Inductive 2 wire, Diameter: 18 mm, Sensing Distance: 5 mm.
14	Pressure Gauge	0-7 Kg/cm2, connection 1/2" BSP, Dial Size: 100 mm
15	Pneumatic Motor	Unidirectional, Air pressure: 0-90 psi,
16	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"×1" PVC cable tray. Dimension: 1ft (L) × 1ft (W) × 1ft (H)
17	Quick Push-Pull connectors	Sufficient shall be supplied for branching of the tubing for making of the circuitry.
18	Plastic Tubing Transparent	PUN 4×0.75, Exterior Diameter-6mm, Interior Diameter- 4mm, 10mtr/Blue-10mtr
19	Relay Module	24V DC supply, 2 NO/NC contacts, panel mounting type.
20	Air Compressor (Optional)	Tank capacity: 25 Liters, Discharge: 2 CFM Motor: 1 H.P. 230 V AC Operated, Working pressure: 5-6 kg/cm2
21	Mounting Plates.	
22	Quick Connectors, T-Connectors.	
23	5/2 Hand Lever Valve (Optional).	
24	Pneumatic indicators (Optional).	
25	Quick Exhaust Valve, Hand Slide Valve, Time Delay Valve (optional).	

Note: Specifications are subject to change.

### Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tescaglobal.com