

Product Name :
Training Equipment in Industrial Pneumatics

Product Code :
NLAB-ENGINEERINGLB19001



Description :

Training Equipment in Industrial Pneumatics

Technical Specification :

The set up comprises a Mobile Lab. Trolley, set of Pneumatic Components and a Comprehensive Manual. Mobile lab. trolley
[1] Approx. dim: 1210mm(L) x 750mm(W) x 1450mm(H).
[2] The trolley must have two (2) circuit building plugboards (approx. size) 1100mm x 700mm, each with mounting holes must be fitted with rubber component retaining grommets.
[3] The boards must be powder coated 16swg steel (at least), with 2mm shrouded sockets for electrical distribution built into the plugboard.
[4] There must be two (2) lockable equipment storage cabinets, each consists of five (5) drawers (depths are 1 x 66mm, 2 x 85mm, 1 x 130mm, 1 x 200mm • approx. sizes). Cabinets and all drawers to be steel, powder coated construction including drawer fronts. [5] The trolley must be mounted on four (4) heavy duty, rubber tyred castors two (2) of which are swivel and lockable.
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Set of Components • Pneumatics, comprises:•
[7] 1 x Air service unit (filter/pressure regulator) with ON/OFF valve

and pressure gauge

[8] 1 x 6-way manifold with check fittings (airflow blocked on removal of tubing)

[9] 1 x Single Acting Cylinder • 16mm diameter, 50mm stroke

[10] 2 x Double Acting Cylinder • 16mm diameter, 100mm stroke

with magnetic piston for contactless sensing

[11] 4 x 3/2 way Push Button Valve (2 baseplates each with 2 valves)

[12] 1 x 3/2 way Toggle Lever Valve [13] 1 x Visual Indicator

[14] 1 x 5/2 way Toggle Lever Valve

[15] 1 x 5/2 way Pilot/spring Valve [16] 3 x 5/2 way Pilot/Pilot Valve

[17] 1 x 5/3 way Pilot/Pilot Valve with Closed centre

[18] 2 x 3/2 way Roller Lever Valve (for instroke operation) • mounted on adjustable baseplate (must have both vertical and horizontal adjustment).

[19] 2 x 3/2 way Roller Lever Valve (for outstroke operation) • mounted on adjustable baseplate (must have both vertical and horizontal adjustment). [20] 1 x 3/2 way Adjustable Timer valve

[21] 2 x Throttle / Check Valve (on one baseplate)

[22] 1 x Quick Exhaust Valve

[23] 4 x Shuttle Valve / OR Gate (2 baseplates each with 2 valves)

[24] 2 x Two Pressure Valve / AND Gate (on one baseplate)

[25] 1 x Stainless Steel Air Reservoir [26] 1 x Pressure Gauge

[27] 10 x Push-fit Tee [28] 10 x Push-fit Plug

[29] 15 metres 4mm o.d. polyurethane tubing

[30] 5 metres 6mm o.d. polyurethane tubing

[31] All pneumatic components should mount on four (4) pin plug • in baseplate, complete ready to use with pneumatic connections for 4mm o.d. tubing (supplied) and 2mm shrouded plugs / sockets for electrical connections. All threaded exhaust ports to be fitted with silencers. Manual: [32] A comprehensive set of Exercises / Solutions

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