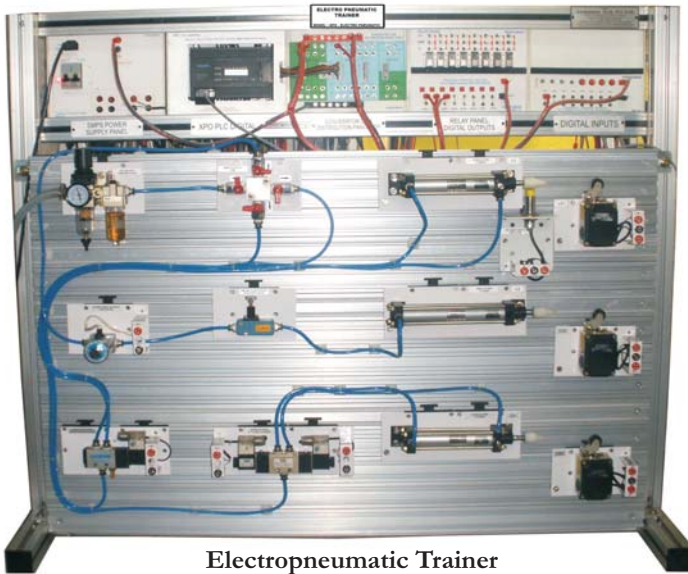


# PNEUMATIC / ELECTRO PNEUMATIC TRAINER

## (Model : XPO-Pneumatic / Electro Pneumatics)



Electropneumatic Trainer

### SALIENT FEATURES :

- ◆ Choice of 2 table top models Hydraulic (Electro) / Pneumatics (Electro) trainer (optionally PLC may be supplied.)
- ◆ The complete trainer mounted on table top Anodised sturdy light weight with Aluminum profile grooved plate experiment board (1070 x 700 mm) mounted slant on table optionally table with drawers arrangement to place desktop PC, keyboard & video monitor and caster wheel.



## Technical Specification

Items	Model I : Pneumatic Trainer	Qty	Model II : Electro Pneumatic Trainer	Qty
<b>Air distribution &amp; manual control</b>	Flow & Pressure Regulator (FRL) unit with Pressure gauge (10bar), 1/4" BSP (F)	1	Flow & Pressure Regulator (FRL) unit with Pressure gauge (10bar), 1/4" BSP (F)	1
	Manifold 4 way, 1/4" BSP (F) with ON/OFF 4 nos. ball valve.	1	Manifold 4 way, 1/4" BSP (F) with 4 BALL on/off Valve.	1
	One-way flow control adjustable valve 1/4" BSP (F)	1	One-way flow control adjustable valve 1/4" BSP (F)	1
	Ball valve 1/4" BSP for ON-OFF (M-F)	4	Ball valve 1/4" BSP for ON-OFF	4
	Silencer	1	Silencer	1
<b>Control Element</b>	3/2 way directly actuated valve [with push button 1/4" BSP (F)]	1	5/2 way DC valve spring return 1/4" BSP (F) 24VDC single Solenoid	1
	3/2 way Mushroom button operated spring return valve 1/4" BSP (F)	1	5/2 way DC valve BSP(F) 24Vdc double Solenoid	1
	3/2 way roller lever actuated valve 1/4" BSP (F)	1	3/2 way Single Solenoid valve 24V DC	1
	5/2 way valve with selector switch 1/4" BSP (F) with 230V AC Operated)	1		
	5/2 way pilot operated spring return valve 1/4" BSP (F)	1		
	5/2 way double pilot valve (with manual override) 1/4" BSP (F)	1		
	3/2 way hand level valve 1/4" BSP (F)	1		
	2/2 way directional control valve with 230V AC operated.	1		
	5/3 way directional control valve mid position closed	1		
Quick exhaust valve 1/4" BSP	1			
<b>Actuating devices (O/P)</b>	Single acting cylinder - Bore 25mm, Stroke 100mm	1	Single acting cylinder - Bore 25mm, Stroke 100mm	1
	Double acting cylinder - Bore 25mm, Stroke 100mm	1	Double acting cylinder - Bore 25mm, Stroke 100mm	2
	Vacuum suction generator	1	NA	
<b>Logic control</b>	OR gate / shuttle valve 1/4" BSP (F)	1	Limit switches NC/NO.	3
	AND gate 1/4" BSP (F) (Optional)	1	Proximity switch (Inductive)	1
<b>Resource Panel</b>	NA	-	24V DC power supply. 8 Relay card PLC interfaceable with NO NC contact & 24Vdc coil, Dual Timer WITH NO-NC contacts or <b>Optionally LGPLC (12 input + 8 Out put) with CDP and ladder software.</b>	1 OR 1
<b>Electrical Connections</b>	Mains cord with stackable connector	2		1meter = 12 500mm = 10 100mm = 05
<b>Pneumatic</b>	Polyurethane Tube 6 x 4 = 1meter			10pcs
<b>Quick change couplers</b>	1/4" BSP Female socket	35	1/4" BSP Female socket	13
	1/8" BSP Female socket	11	1/8" BSP Female socket	05
<b>Mechanical Dimension</b>	<ul style="list-style-type: none"> <li>● Anodised Sturdy Aluminum Profile Rack (table top) system with Aluminum profile T groove experiment board optionally double sided.</li> <li>● Total dimension : 1165 mm (L) x 300 mm (W) x 800mm (H), Net weight : 75 kg, Gross Weight : 85 kg.</li> <li>● Aluminum Profile Grooved J Board : L = 107 cm, W = 70 cm. Reclining at 0°, 20°, 30°</li> </ul>			
<b>Air Compressor (Optional)</b>	Air Compressors Displacement 3 cfm, Working pressure 7 kg / cm <sup>2</sup> (7 bar) with 0.5 HP 1440 rpm electric motor 230 V/ 50Hz, 1 ph. with 10 bar gage & shut off valve with 6.3 mm brass male connector hose, safety valve, auto power cut switch, DOL starter, storage tank 70-90 Ltr.			