

# Pneumatic & Electro Pneumatic Trainer

## [XPO - Pneumatic & Electro Pneumatic]



### Salient Features

- Choice of 2 models Pneumatic / Electro pneumatic trainer (optionally PLC may be supplied.) Electropneumatic trainer has additional row at the top to carry variable electrical panels.
- The complete trainer mounted on table top, sturdy light weight with Aluminum grooved plate (1070 x 700 mm) mounted slant on table optionally table & drawers arrangement to place desktop PC, keyboard drawn & side stand for video monitor and caster wheel.
- All components are insertable onto main trainer panel.
- Quick change couplers for all to facilitate easy circuit building operating pressure.



**Air Compressor  
(Optional)**

### Technical Specification

Items	Model I : Pneumatic Trainer	Qty	M.II : Electro Pneumatic Trainer	Qty
<b>Air distri-bution &amp; manual control</b>	Flow & Pressure regular (FRL) unit with Pressure gauge (10bar), 1/4" BSP (F)	01	Flow & Pressure regular (FRL) unit with Pressure gauge (10bar), 1/4" BSP (F)	01
	Manifold 4 way, 1/4" BSP (F) with ball valve	01	Manifold 4 way, 1/4" BSP (F)	01
	One-way flow control adjustable valve 1/4" BSP (F)	01	One-way flow control adjustable valve 1/4" BSP (F)	01
	Ball valve 1/4" BSP for ON-OFF	04	Ball valve 1/4" BSP for ON-OFF	04
	Silencer	01	Silencer	01
<b>Direction Control Elements</b>	3/2 way directly actuated valve [with push button 1/4" BSP (F)]	01	5/2 way DC valve spring return 1/4" BSP (F) 24VDC single Solenoid	01
	3/2 way Mushroom button operated spring return valve 1/4" BSP (F)	01	5/2 way DC valve BSP(F) 24Vdc double Solenoid	01
	3/2 way roller lever actuated valve 1/4" BSP (F)	01	3/2 way Single Solenoid valve 24VDC	01
	5/2 way valve with selector switch 1/4" BSP (F)	01		
	5/2 way pilot operated spring return valve 1/4" BSP (F) with 230VAC (operated)	01		
	5/2 way double pilot valve (with manual override) 1/4" BSP (F)	01		
	3/2 way hand lever valve 1/4" BSP (F)	01		
	2/2 way directional control valve with 230VAC operated.	01		
5/3 way directional control valve mid position closed	01			

	Quick exhaust valve 1/4" BSP	01		
<b>Actuating devices (O/P)</b>	Single acting cylinder - Bore 25mm, Stoke 100mm	01	Single acting cylinder - Bore 25mm, Stoke 100mm	01
	Double acting cylinder - Bore 25mm, Stoke 100mm	01	Double acting cylinder - Bore 25mm, Stoke 100mm	02
	Vacuum suction generator	01	NA	
<b>Logic control</b>	OR gate / shuttle valve 1/4" BSP (F)	01	Limit switches 1C/O	03
	AND gate 1/4" BSP (F) (Optional)	01	Proximity switch (Inductive)	01
<b>Electrical Panels</b>	NA	-	24V DC power supply. 8 Relay card PLC interfaceable with NO NC contact & 24Vdc coils, Dual Timer WITH NO-NC contacts <b>Optionally LGPLC (12 input + 8 output) with CDP and ladder software.</b>	01 OR 01
<b>Electrical Connections</b>	4 mm cable plugs with facility to stack them, different lengths.			1 meter = 12 500mm = 10 100mm = 05
<b>Pneumatic Connection</b>	Polyurethane Tube 6 x 4 x 1mtr			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>Sturdy Aluminum profile with T groove working board (table top) system. Optionally double sided Alluminium profile T groove experiment board</li> <li>Total dimension : 114cm(L)x 93cm (H) x 40cm (W), Net weight : 75 kg, Gross weight : 85 kg.</li> <li>Experimental Board : Length = 950mm, Width = 670mm.</li> <li>Reclining at 0<sup>o</sup>, 20<sup>o</sup>, 30<sup>o</sup>.</li> </ul>			
<b>Air Pressure Generation (Optional)</b>	Air Compressors – Displacement 3 cfm, Working pressure 7 kg/cm <sup>2</sup> (7 bar) with 0.5 HP 650 rpm electric motor 230 V, 50Hz, phase with 10 bar gage & shut off valve with 6.3 mm brass male connector hose.			

<h2 style="color: green; margin: 0;">ANSHUMAN Tech Pvt. Ltd.</h2> <p>Plot 13, Stairya, Behind Tol Hospital Near Nav-Sahyadri Society, Karve Nagar Pune – 411 052 (MH)INDIA</p> <p>Tel : (0091)(020)25460892 / 25463052 Fax : (020) 25463052 Email : anshumanelectronics@vsnl.com / anshumantech@yaoo.in</p> <p style="color: green; font-size: small;">Visit us at : <a href="http://www.anshue.com">www.anshue.com</a> / <a href="http://www.anshumantech.com">www.anshumantech.com</a> <a href="http://www.anshumantech.net">www.anshumantech.net</a></p>	Specifications subject to change without notice.
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