

Hydraulic / Electro Hydraulic Trainer

(MODEL – XPO HYDRAULIC & ELECTRO HYDRAULIC)



Salient Features

- Choice of 2 models Hydraulic / Electro Hydraulic trainer (optionally PLC may be supplied.)
- The complete trainer mounted on table top, sturdy light weight with aluminum grooved plate (1070 x 700 mm) mounted slant on table operating table and drawers arrangement to place the keyboard, PC & Video monitor with caster wheel.
- Individual components mounted on powder coated plates insertable onto main trainer panel.
- Hydraulic Hoses with quick Release socket and plug arrangement.



Power Pack

TECHNICAL SPECIFICATION

Item	Hydraulic Trainer	Qty	Electro-Hydraulic Trainer	Qty
Oil Distribution and manual controls, gauges	Sub plate (1 station manifold) with 4 ports & 2 gauge ports	4	Sub plate (1 station manifold) with 4 ports & 2 gauge ports each equipped	2
	Quick Release Male Adapters	21	Quick Release Male Adapters	13
	70 bar Gliserine filled pressure gauges (2 x 2) and a and b ports.	4	Modular Pressure relief valve (sub plate mounted) with 70 bar Gliserine filled pressure gauges to A & B ports (2 x 2)	2
			Throttle cum check valve(sub plate mounted)	1
Direction Control element	4/2 way DC valve lever operated spring return.	1	4/2 way single solenoid 24 VDC spring return	1
	4/2 way DC valve, AC 230Vac solenoid operated spring return.	1	4/3 way double solenoid 24 VDC spring return	1
	4/3 way DC valve, lever operated spring return.	1		
	4/3 way DC valve lever operated detented.	1		
Actuating devices (output)	Single acting cylinder 40mm x 100mm stroke with QR adaptors	1	Single acting cylinder 40 mm x 100 mm spring return & QR adaptor	1
	Double acting cylinder with in line flow control valve 40mm x 100mm stroke & QR adaptors	1	Double acting cylinder 40mm x 100 mm & QR adaptors	1
		2		

Item	Hydraulic Trainer	Qty	Electro-Hydraulic Trainer	Qty
Connections	A) Flexible hoses, R1 type 1/4" ID with Quick release sockets (one end 90° & other straight) Length 2000mm Length 1200mm	2 2	A) Flexible hoses, R1 type 1/4" ID with Quick release sockets (one end 90° & other straight) Length 2000mm Length 1200mm	2 2
	B) Quick release plugs (H) Quick release sockets (F)	21 8	B) Quick release plugs (H) Quick release sockets (F)	13 8
Electrical Connection	AC solenoid 230Vac 20VA rating.	1	Electrical circuit 4mm Banana Patch cord 1 mtr 500mm 100mm	12 10 10
Resource Panel	NA		24V DC power supply. 8 Relay card PLC interfaceable with NO NC contact & 24Vdc coils, Dual Timer WITH NO-NC contacts or Optionally LGPLC (12 input + 8 output) with CDP and ladder software.	1
Power generation	Power pack consist of :	1	Power pack consist of :	1
	a) tank 25L	1	a) tank 25L	
	b) Gear Pump 3LPM with ball valve for flow measurement in Beaker. (Optional)	1	b) Gear Pump 3 PLM with ball valve for flow measurement in Beaker (optional)	
	c) Electric motor 0.5HP 1440 RPM 230V AC	1	c) Electric motor 0.5HP 1440 RPM 230V AC	
	d Air Breather, Oil level Indicator, suction filter / Stainer, Return line filter, 70 Bar Guage	1	d) Air Breather, Oil level Indicator, suction filter / Stainer, Return line filter, 70 Bar Guage	
	e) Relief valve		e) Relief valve	
Mechanical dimension	<ul style="list-style-type: none"> Flat panel (table top) system with double sided Alluminium profile groove experiment board. Total dimension : 116 cm(L) x 91cm (H) x 30cm (W) Oil tray (107 cm x 300 cm x 2 cm) Power coated MS. 			

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