

TRANSPARENT HYDRAULIC TRAINER (Model : TMS-THT)



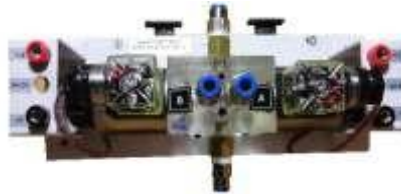
Power Pack



DA Cylinder



DC 4/3 way D/S valve



DC 4/2 way S/S valve



SALIENT FEATURES

- Its table top model. Uses aluminium profile plate experiment board.
- Optionally table may be provided with drawers (3 Nos.) to store components when not in use.
- Pneumatic grade QRC used with built in NRV arrangement for building hydraulic circuits using plastic transparent 6mm OD tubing 7 bar max.
- All components are mounted using lever operated profile adapters for quick release & placement.
- Quantities may be modified as per your requirement

Technical Specifications:

Item	Transparent Hydraulic Trainer	Qty
Direction Control Elements [Transparent]	4/3 way DC hand lever Valve	1
	4/2 way Single solenoid valve 24 VDC	1
	4/3 way Double solenoid valve 24 VDC	1
Actuating devices (O/P) [Transparent]	Double acting cylinder 40mmx100mm stroke with QRC sockets.	1
Connections	Transparent pipe, 6mm OD total length 1.5 meter	1 set
	Pneumatic grade Quick release QRC plug (F) with built in NRV	14
Electrical connection	4mm banana patch cords 600mm	12
Resource panel	1) 24VDC power supply panel	1
	2) Digital input panel SEP 01 with 4 toggle switches & 4 push button switches	1
Hydraulic Power pack	Power pack (Set for pressure of 7 bars) consist of : a) Tank 25Ltr. b) Gear Pump 3LPM with ball valve [for flow measurement in beaker (optional), c) Electric motor 0.5 HP 1440 RPM 230VAC, d) Oil Breather Oil level indicator, suction filter / Strainer, Return line filter, 70 Bar Gage, e) Relief valve., f) Oil Grade – 68 no.	1
Mechanical Dimension	Anodised sturdy Aluminum profile rack (table top) with groove experiment board, Total dimension : 530 mm (L) x 300 mm (W) x 910 mm (H), Aluminum profile Board : L = 500mm, W = 70 mm, Height - 350mm, Groove pitch = 25mm	1
ist of experiments	• Study of operation transparent DC hand lever valve • Study of operation transparent 4/2 single solenoid valve • Study of operation transparent 4/3 Double solenoid valve • Mechanical locking by means of momentary contact switches contacts using 4/3 double solenoid transparent body valves	