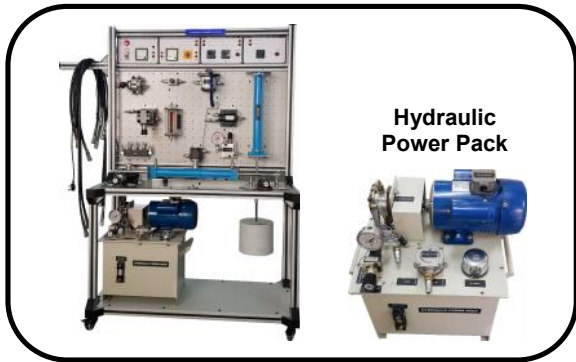


KCL-22B ELECTRO HYDRAULIC TRAINER



KCL-22B Electro Hydraulic Trainer is a self contained where demonstration of over 35 experiments is possible. Advance Hydraulic Trainer is a sophisticated, indigenous, new generation hydraulic teaching aid, specially developed to impart the best practical training in advanced hydraulics. It can be used as a Live Demonstrator to show functioning of various hydraulic components and control circuits. Operating pressure is kept at 20 bar for safety of the students. The components / equipments are mounted on an ergonomically designed mobile metal trolley with drip tray. The power pack is mounted at the bottom. The components are permanently mounted on the working area. "Quick Release Couplings" are used on the components and hoses for fast and easy connections. All the components are duly fitted with "Quick Adapters" and the hoses are fitted with quick couplers.

HYDRAULIC MOBILE BENCH

- Hydraulic Trainer consist of flat control panel with general purpose component area and Mobile Table provided built using 40mm Aluminum profile rack.
- 04 no's of ABS plastic panel mounted on the aluminum rack with mimic diagram containing power supply with circuit breaker, Voltmeter, Ammeter Panel, Digital Temp Indicator, Digital RPM Indicator Panel, Timer Panel, Push Button, Electro Magnetic Relay Panel & 24V DC Panel
- General purpose area of size 1040 x 600 mm (WxH) having 252 points is provided for fixing Hydraulic Component.
- Mobile Hydraulic Trainer Table size is 1040 x 550 x 600 mm (WxDxH) with Metal Sump on the top for oil collection.
- 4mm Shrouded Patched Chords with User Manual

The Advance Hydraulic Trainer consists of

HYDRAULIC POWER - PACK:

- Pump : 3 LPM
- Pressure : 20 bar
- Motor : 1/2 or 1HP, 3ø foot /flange motor
- Oil Tank : 20 litre capacity (oil to be provided by the purchaser)
- Suction Filter
- Pressure Gauge
- Oil Level Indicator
- Pressure Relief Valve

COMPONENTS

- Single Acting Cylinder : 40 mm x 75mm - 01 No
- Double Acting Cylinder 40mm x100mm – 01 No
- 4/3 Way Directional Control Valve - 02 No
- 4/3 Way Solenoid Valve - 01 No
- Pressure Gauge 100 mm - 02 No
- Pressure Relief Valve - 01 No
- Pressure Switch – 01 No
- Electro Magnetic Relay - 02 No
- Electrical Limit Switch - 02 No
- Hydraulic Hoses with Quick Couplers - 4 No
- Push Button - 03 No
- Proximity Sensor (Inductive) - 02 No
- 24V DC Regulated Power Supply - 01 No

Accessories:

- Set of Shrouded Cables
- Set of Manuals with Experiments.
- Demo CD showing Experiments

Optional Accessories:

- Working Table (KWT-01)....1 No
- Tool Kit... 1 No
- 4/2 Way Solenoid Valve - 01 No
- Check Valve - 01 No
- Diaphragm Accumulator - 01 No
- Flow Control Valve - 01 No
- Hydraulic Motor - 01 No
- Manifold
 - Pressure Line Manifold - 01 No
 - Return Line Manifold - 01 No
- Needle Valve - 01 No
- PO Check Valve - 01 No
- Pressure Reducing Valve - 01 No
- Shut off Valve - 01 No
- Sequence Valve - 01 No
- Branch Tee - 02 No
- Loading Weight (15 Kg approx) - 01 No
- Measuring Flask (2 liters) - 01 No
- Pulley Arrangement (suitable to load) - 01 No

Note : Specifications & Photos can be altered without notice in our constant efforts for improvement.

Experiment List:

- To study Hydraulic Power Pack
- To study and Measure Flow of Hydraulic Oil using LPM meter
- To study the working of single acting cylinder
- To study the working of single acting cylinder with load
- To study the working of double acting cylinder
- To study pilot operated check valve with D.A cylinder
- To study the working of pressure reducing valve
- To study the working of direct operated pressure relief valve
- To study the working of hydraulic motor (gear motor) and measure its speed

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