

KCL-22 ELECTRO HYDRAULIC TRAINER



Kitek Electro Hydraulic Trainer - KCL-22 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. The Advance Hydraulic Trainer consists of :

HYDRAULIC POWER - PACK :

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

Note : Specifications and photos can be altered without notice in our constant efforts for improvement.

- Pressure Gauge
- Oil Level Indicator
- Pressure Relief Valve

COMPONENTS

- Single Acting Cylinder : 40 mm ϕ x 75mm - 01 No
- Double Acting Cylinder 40mm ϕ x100mm - 01
- 4/2 Directional Control Valve (Spring Return) - 01 No
- 4/2 Way Solenoid Valve - 01 No
- 4/3 Way Directional Control Valve - 02 No
- 4/3 Way Solenoid Valve - 01 No
- Check Valve - 01 No
- Diaphragm Accumulator - 01 No
- Flow Control Valve - 01 No
- Hydraulic Motor - 01 No
- Manifold
 - a. Pressure Line Manifold - 01 No
 - b. Return Line Manifold - 01 No
- Needle Valve - 01 No
- PO Check Valve - 01 No
- Pressure Gauge ϕ 100 mm - 01 No
- Pressure Reducing Valve - 01 No
- Pressure Relief Valve - 01 No
- Shut off Valve - 01 No
- Sequence Valve - 01 No
- Branch Tee - 02 No
- Electro Magnetic Relay - 02 No
- Electrical Limit Switch - 02 No
- Hydraulic Hoses with Quick Couplers - 12 No
- Loading Weight (15 Kg approx) - 01 No
- Measuring Flask (2 litres) - 01 No
- Pulley Arrangement (suitable to load) - 01 No
- Push Button - 03 No
- Proximity Sensor (Inductive) - 02 No
- 24V DC Regulated Power Supply - 01 No