

**Product Name :**  
Electro-Hydraulic Trainer

**Product Code :**  
NEGEMG152



**Description :**

## Electro-Hydraulic Trainer

Electro Hydraulic Trainer HP-09 is designed to demonstrate application of Hydraulic Power & build various Hydraulic Circuits using electrically operated hydraulic valves components. The trainer is equipped with a power pack to supply oil under pressure to the components during operation. Two distributors, each for Pressure & Tank port are mounted on the profile plate. Hydraulic Connections between the components are made using hoses with easy to use push-pull connectors. The components supplied along with the trainer include Direction Control Valves, Linear Actuators, low control valves, Check Valve etc. To study use of advanced electrically operated Hydraulic components, the trainer is supplied with different solenoid operated direction control valves. All necessary accessories like power supply, relays, switches & proximity sensors etc are supplied with the trainer.

**Experimental Capabilities:**

- To study Hydraulic Power pack & its components.

- To study operation of different Hydraulic Direction Control Valves.
- To study operation of Flow Control Valve.
- To study operation of Pressure Relief Valve.
- To study operation of linear actuators.
- To study use of Hydraulic Accumulators.
- To test following Hydraulic circuits –

1. Regenerative Circuit

2. Speed Control of Linear Actuators

3. Sequencing of Linear Actuators

**System Components:**

- Hydraulic Power Pack: Consisting of Gear Pump, Electric Motor & Oil Sump Tank.
- Distribution Manifold – 2 Nos.
- Pressure Relief Valve
- Pressure Gauges
- 4/2 Way Direction Control Valve - Hand Operated
- 5/3 Way Direction Control Valve - Hand Operated
- 4/3 Solenoid Operated Valve
- 5/3 Solenoid Operated Valve
- Non Return Valve
- Flow Control Valve
- Pilot operated check Valve
- Shuttle Valve
- Double Acting Cylinder – 2 Nos.
- Hydraulic Accumulator
- Hydraulic Seamless Piping with Oil Filter

- Hydraulic hoses with Quick Release Couplings
- Electrical Accessories: Proximity Switches, Relays, Power Supply, Timer etc.
- Base Frame: Made in M.S. Square Tubes, Powder Coated
- Electrical Wiring, Switches & Indicators

## Naugra Export

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