

Product Name : Hydraulic Trainer Kit - Classic	Product Code : NE-CNC-LAT47
	
Description :	
Hydraulic Trainer Kit - Classic	
Technical Specification :	
Hydraulic Trainer Kit - Classic.	
CNC TRAINERS AND HYDRAULIC – PNEUMATIC TRAINERS	
CAD-CAM laboratory will help students to build their own skill set and confidence.	
In the current era, when China is considered as the best manufacturing hub in the world, we are proud to have supplied our to 5 Educational Institutes in China. We have collaboration with CutViewer (UK) for software support and (Singapore) for technical support.	

We are also leading manufacturers of Hydraulic – Pneumatic Trainers. We have more than 400 Trainers working efficiently in top educational institutes all over India. We also supply PLC trainer kits for educational purpose.

Features:

- Self combined mobile unit.
- All the components are easily accessible.
- Real life components of reputed manufacturers provided.
- Quick connections possible due to special fittings/pipes.
- Tried and tested components and circuits.
- PLC with MODBUS communication.
- PLC with software with help file
- Specially designed control panel enabling students to develop their own circuits
- Modular design with facilities to operate simple mechanisms
- Pneumatically operated models available as additional supply
- Training of Trainers offered at regular intervals
- Two years performance guarantee for any manufacturing defect

Specifications:

List Of Experiments:

1. Study of pressure built up & setting relief valve pressure in hydraulic system

2. Study of 4/3 way direction control valve
3. Operation of single acting cylinder with 4/3 way direction control valve
4. Operation of double acting cylinder with 4/3 way direction control valve
5. Operation of hydraulic motor with 4/3 way direction control valve
6. Study of sequence valve
7. Sequencing of double acting cylinder & single acting cylinder
8. Sequencing of single acting cylinder & hydraulic motor

9. Meter- in speed control of hydraulic cylinder

10. Meter-out speed control of hydraulic cylinder

11. Study of bleed- off speed control circuit

12. Study of Pressure adjustment /setting of relief valve

13. Study of Throttle valve pressure flow characteristics

14. Study of direction control valves and pilot operated check valves and circuits

15. Study of Regenerative Circuit

16. Study of pressure reducing valve

17. Study of sequence valve and setting sequence valve pressure

List Of Components:

1. Trolley with frame & caster wheels
2. Hydraulic tank with filter & breather
3. Single phase flange mounted electric motor
4. Pressure Gauges
5. Gear Pump
6. Bell Housing
7. Flexible Coupling
8. Pressure Relief Valve

9. Flow Control Valve
10. Pressure Sequence Valve
11. 4/3 way manually operated direction control valve
12. Single Acting Cylinder
13. Double Acting Cylinder
14. Needle Valve
15. Study of sequence valve and setting sequence valve pressure
16. Hoses
17. Check Valve
18. Pilot Operated Check Valve
19. Hydraulic Motor
20. Quick Coupling

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