

Portable transparent Electro-Hydraulic Training Kit

This portable electro-hydraulic training system has been designed for different training conditions to suit the theoretical and practical needs of vocational colleges and technical training schools. It is best suited as an introductory tool to hydraulics.



Training contents:

- Understanding hydraulic system structure
- Functions and uses of control valves
- Recognizing drawing of hydraulic symbols
- Single stage pressure regulating loop of overflow valve
- Single stage pressure regulating loop for reducing valve
- Reversing loop of 4/3-way solenoid valve
- Speed regulating loop of flow control valve
- hydraulically controlled one-way locking loop
- Pressure relay controlled sequential loop

Features:

- Flexible design structure allows 2 aluminum profile plate to be assembled in multiple configurations to perform experiments.
- Portable with 2 carrying handles
- Transparent components allow students to view the internal parts during operation
- Flat-face self-sealing couplings for easy one-hand insertion and removal of hydraulic hoses
- Detachable aluminum profile plate (groove distance 25mm) x 2
- Aluminum profile legs for vertical assembly



Foldable aluminum profile for easy component storage
And transportation



Electrical control box



Compact hydraulic
power pack



quick coupling suite



oil container



hydraulic tube



tool kit

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Experimental platform	<ul style="list-style-type: none"> - Carrying handle x 2 - Rubber cushion x 4 - Detachable aluminum profile plate x 2 - Plate lockers - Printed side panel x 8
Hydraulic Power Pack	<p>Pump: gear pump, pressure 1MPa, 2.5 L/min Motor: Standard 1 phase 220V, 0.37 KW Tank: transparent structure with oil filling port Distribution block with P/T port Hydraulic power control box Dimension: 330mm*330mm*240mm</p>
Electrical Control Box	<ul style="list-style-type: none"> - Button module:6 fold with NO/NC contacts - Rotary switch: three units - Relay module: 2 fold with indicator, 3*NO/NC - Timer relay unit: 0..10s with delay pick-up - ON/OFF switch - Fuse - Three channel DC24V outputs with indicator - Printed panel with aluminum profile frame
Components	<ul style="list-style-type: none"> • 4/3-way hand operated DCV • Double acting hydraulic cylinder • Pressure compensative flow control valve • Flow control valve • Pilot pressure reducing valve • Direct pressure relief valve • Glycerine pressure gauge • Distributor • 4/2-way single solenoid valve • 4/3-way double solenoid valve • Pilot hydraulic check valve (2) • Micro limit switches (2) • Pressure switch
Accessories	<p>Flat-face quick coupling Safety pluggable connecting leads Experimental guide book Aluminum profile legs for vertical assembly Power line Fuse protector Transparent hydraulic tube Tool kit</p>

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