



Transparent Electro Hydraulic Trainer

Equipment Overview

- This trainer is designed to meet the requirements for learning complex inner dynamic structure and working principle of hydraulic components.
- Independent relay control module is adopted for the electrical control of hydraulic system, which combines the transmission technology and control technology perfectly.
- The structure of transparent hydraulic component is designed according to real industrial hydraulic component, which is light in weight and small in size. Due to this, students can start or stop experiment in a short time.
- All the hydraulic components are equipped with quick installing baseboard and quick connecting joint to ensure convenient operation.
- Safety protections: grounded, lead protection, safety in accordance with related GB standards. Insulated safety sockets, sheathed cables and wires.

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!



Training Content

- | | |
|--|--|
| <ul style="list-style-type: none"> • Function introduction and usage of hydraulic components • Reversing loop of hand directional valve • Lockout• Function introduction and usage of hydraulic components • Reversing loop of hand directional valve • Lockout loop of median functional reversing valve • Lockout loop of hydraulic controlled one-way valve • Pressure setting loop • Two-stage pressure loop • Hydraulic loop of reducing valve • Pressure boosting loop of pressure cylinder • Unloaded loop of H-type reversing valve • Oil in throttle speed regulating loop of median functional reversing valve • Lockout loop of hydraulic controlled one-way valve • Pressure setting loop • Two-stage pressure loop • Hydraulic loop of reducing valve | <ul style="list-style-type: none"> • Pressure boosting loop of pressure cylinder • Unloaded loop of H-type reversing valve • Oil in throttle speed regulating loop • Oil return throttle speed regulating loop • Reversing speed regulating loop of speed control gear pump • Compound speed regulating loop of speed control gear pump and speed control valve • Flow valve short connected speed changing-over loop • Reversing loop of pilot overflow valve • Speed control valve series connected secondary feeding loop • Sequential action loop of sequence valve • Sequential action loop of pressure relay • Sequential action loop of travel switch • Sequential action loop of stroke valve • Hydro-cylinder series connected synchronizing loop |
|--|--|

Technical Parameters

1. Input Voltage: Single-phase AC 220V, 50Hz , output DC24V/2A
2. Temperature: -10~50°C, Below RH 90%
3. Dimensions: 1400mm×680mm×1760mm (approx.)



Transparent Electro Hydraulic Trainer

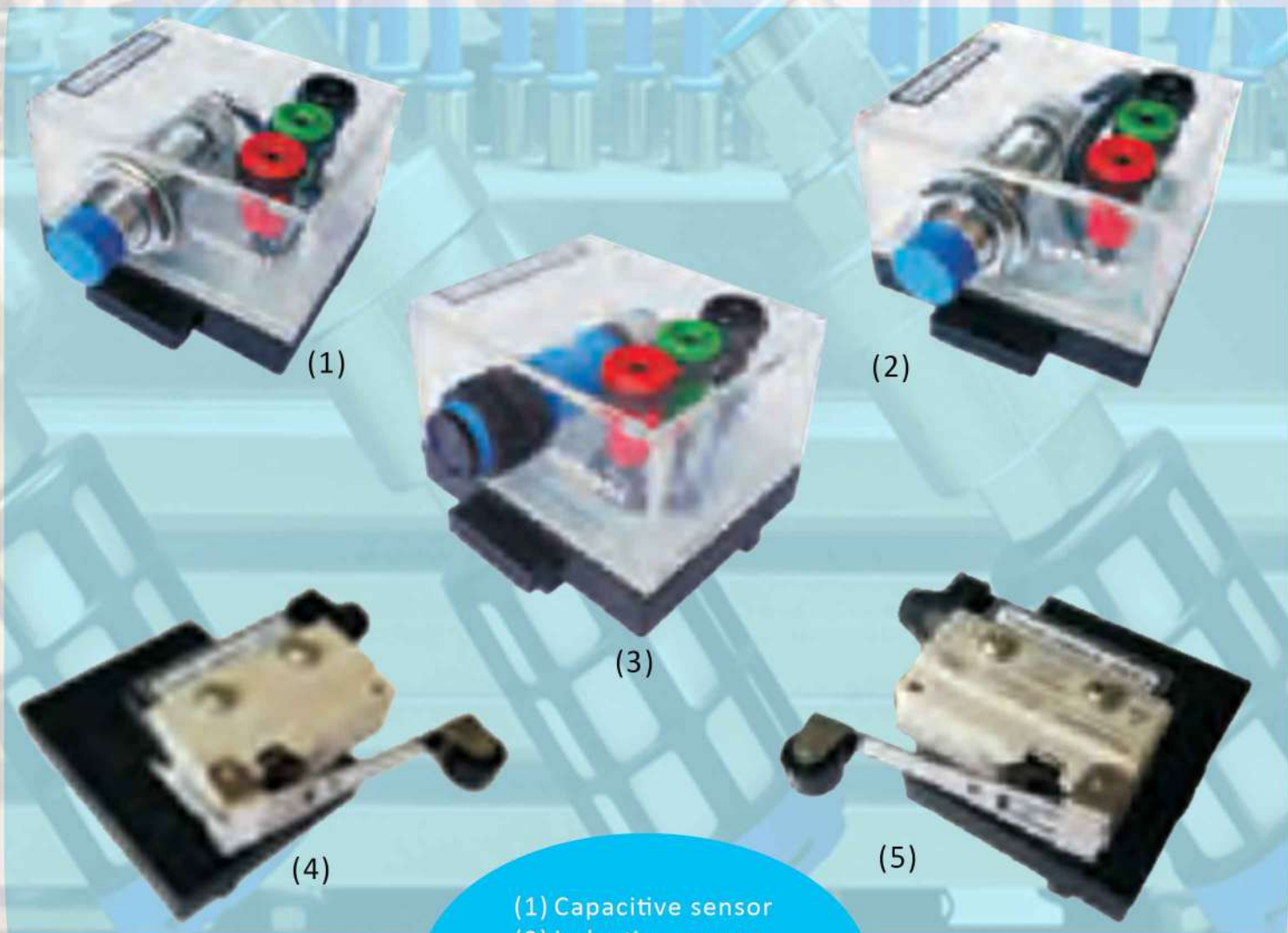
Hydraulic Pump Station

1. Permanent magnet DC motor: 220V, 250W, 1.2A, 1700r/min
2. Hall switch: NPN, NO, 50mA, 10mm
3. Gear pump: 1450r/min
4. Pressure gauge: -0.1-1.6MPa
5. Overflow valve
6. Transparent oil tank with filling hole
7. Filter
8. Motor and pump suspension plate

Note :

Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

Travel Switch and Sensor



- (1) Capacitive sensor
- (2) Inductive sensor
- (3) Photoelectric sensor
- (4) Travel switch (N/O)
- (5) Travel switch (N/C)