

HYDRAULIC CRANE APPLICATION TRAINING SET

MODEL: FA-H110-APP01

Description

The Hydraulic Crane Application Training Set is an advanced educational tool designed to provide comprehensive training for the operation and maintenance of hydraulic cranes. It is ideal for use in educational institutions, training centers, and industrial environments where crane operators need to acquire practical skills and knowledge.

Able to learn :-

- Function and characteristic of hydraulic crane system
- Control the speed and torque of hydraulic motor
- Control the speed and force of hydraulic cylinder
- Design and use of different mid hydraulic directional valve
- Design and reading of electrical and hydraulic diagram of crane system
- Construct and operation of crane position loading/unloading
- Calculate and determine the pressure and speed of the crane operation
- Identify different proximity sensor
- Creating sequence control by PLC Program
- Fault findings in electrical hydraulic control system



Optional Item

- Computer Workstation
- PLC Training Kit

Required Item

- 3 Axis Hydraulic Crane System
- Basic PLC Training Kit
- Experiment Manual
- Safety & Maintenance Manual

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 +60124209420

 jonathantan@multitradepac.com

 www.multitradepac.com

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Technical Specification :-

No	Component	Qty
1	Linear Axis Hydraulic Cylinder	2
2	Rotary Axis Hydraulic Motor	1
3	4 Station manifold block	1
4	4/2 way solenoid valve	1
5	Pressure relief valve	1
6	Pressure reducing valve	3
7	Flow control valve	3
8	Pilot Check Valve	1
9	Proximity Sensor	6
10	Hose 1500mm	6
11	Hose 1000mm	2
12	Hydraulic Crane structure	1

No	Component	Qty
13	Oil Tray	1
14	Portable table structure	1
15	Load 2kg	5
16	Mini Power Pack Unit	1
17	Hydraulic Oil	1
18	Operation Push Button module	1
19	Electrical terminal module	1
20	Power Pack Module	1
21	PLC Control Module	1

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