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Crane Hydraulic System Fault Diagnosis Training

Simulator

PN: 0401050060



Crane Hydraulic System Fault Diagnosis Training Simulator

Features

This trainer can simulating the actual working process and status of real cranes.the main arm of this trainer do not only can raise up and down movement,but can do stretching out and retracting movement,rotational movement around the main arm as well.the electrically operated control panel and hydraulic station are placed in the cabinet.The whole structure is compact and durable.All the hydraulic components are adopted to industrial standard.the oil pipe is used high-pressure pipe and its pressure is up to 7MPa.This hydraulic and crane trainer is an idea tools for students in secondary vocational and technical schools, colleges and universities to learn these technologies and practice capabilities of PLC control technology, hydraulic technology, and position control technology.Each trainer can meet 6 students for training at the same time

- 1.Small size, easy operation and comprehensive applicability.
- 2.The bench is made by cold-rolled steel with after spray, anti-corrosion treatment.
- 3.This education unit is made in accordance with the physical structure of a hydraulic crane to demonstrate the actual conditions of a hydraulic crane and to make students understand the crane hydraulic system and training in practice.

- 4.This education unit can truly demonstrate the working process of the physical machine.
- 5.This education unit is effective to educate the troubleshooting and inspection theory/training.

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Typical Training Contents

- 1.To learn structure and working principle of a hydraulic crane transmission system.
- 2.To disassemble and assemble a hydraulic crane.
- 3.To operating a hydraulic crane.
- 4.Hydraulic crane hydraulic control experiments.
- 5.Hydraulic crane electric control experiments.
- 6.Hydraulic crane PLC control experiment.
- 7.Hydraulic line inspection/check.

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The Main Technical Parameters

1 Motor:

Voltage: 380V

Power: 1.5KW

Speed: 1420r/min

2 pump: variable vane pump

Rated pressure: 7Mpa

Rated displacement: 8mL / r

3 Boom extend and retract steps: the length of each extending and retracting is 120mm, and the total length of all three is 360mm

4 Operating Voltage: 380V and 220V. With three-phase leakage and overload protection, automatically cut off once earth leakage current exceeds 30mA.

5.Dimensions:

Bench size: 950 * 650 * 800mm

Training Size: 1980 * 650 * 800mm

6.Weight:about 320Kg