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Product Name:

PLC Controlled Pneumatic and Hydraulic Training Test Bench

POL-HYD0001



Description:

PLC Controlled Pneumatic and Hydraulic Training Test Bench

Technical Specification:

Using Allen Bradley (Rockwell Automation) PLC Flat-form

Power Supply: 220VAC, single Phase, 60Hz.

The experimental device uses double-sided structure, ie an experimental table provides places for doing pneumatic and hydraulic test experiment for two groups of four students. It can simultaneously do double-sided comprehensive pneumatic and hydraulic experiments, optimizing and sharing resources and improving products' performance. Its overall structure is simple and practical.

The training equipment is iron double matte dense spray pattern, which is beautiful, durable and practical. The basic configuration is as following: 1 set of pneumatic training components; 1 set of pneumatic PLC control module; 1 piece of low noise air compressor; 1 set of hydraulic training components; 1 set of hydraulic PLC control module; 1 piece of hydraulic test pump. The optional configuration is the computer.

Pneumatic components Main technical parameters: Power: AC 220V 50HZ

DC power: input AC220V, output DC 24V/2A

Air compressor

Motor power: 250W power: AC220V

Nominal capacity: 10L Rated output voltage: 1Mpa

Training Equipment dimensions: 1500mm*900mm*1700mm

Basic experimental Pneumatic circuit

single-acting cylinder commutation circuit double-acting cylinder commutation circuit single-acting cylinder speed control loop double-acting cylinder-way flow control loop double-acting cylinder bi-speed circuit the speed loop for access buffer circuit the secondary pressure control loop high and low voltage conversion circuit counting loop the delay loop overload protection circuit interlock circuit 1 single-cylinder reciprocating control loop single-cylinder reciprocating continuous loop linear cylinders, rotary cylinders loop sequence of actions multi-cylinder sequence of actions loop twin synchronized action loop four-cylinder linkage loop the unloading circuit gate circuit type shuttle valve applications quick exhaust valve application circuit



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