Product Name : PLC Controlled Pneumatic and Hydraulic Training Test Bench	**Product Code :** 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