

Product name:
Basic Pneumatic Training System

Product code:
CIVIL-BPT-175-0001



Description

Basic Pneumatic Training System

Technical specification

Number of station	1
Number of caster	4

Experimental Project Type (Different hydraulic circuit and control system can be combined)

1. Basic pneumatic control loop experiment
2. Single loop acting cylinder automatic control
3. Multi-loop acting cylinder automatic control
4. Other comprehensive, extended pneumatic circuit experiments

Examples of Basic Pneumatic Control Loop Experiment

1. Single-acting cylinder commutation circuit
2. Double-acting cylinder commutation circuit
3. Single-acting cylinder speed control loop
4. Double-acting cylinder one-way speed control loop
5. Double-acting cylinder two-way speed control loop
6. Speeds change loop
7. Buffer circuit
8. Secondary pressure control loop
9. High and low voltage conversion circuit
10. Counting loop
11. Delay loop
12. Overload protection circuit
13. Interlock circuit
14. Single-cylinder reciprocating control loop
15. Single-cylinder continuous reciprocating loop
16. Multi-cylinder sequential action loop
17. Double cylinder synchronous action loop
18. Four-cylinder linkage loop
19. Unloading circuit
20. Application circuit of OR gate shuttle valve
21. Application circuit of AND gate double-pressure valve
22. Application circuit of quick exhaust valve



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Our basic pneumatic system is composed of experimental table, experimental bracket, pneumatic components, and electrical control devices, and so on.
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Pneumatic Components

Air compressor, air filter, pressure reducing valve, lubricator, manual reversing valve, solenoid directional valve, gas control valve, check valve, throttle valve, quick exhaust valve, OR gate shuttle valve, single-acting cylinder, double-acting cylinder

Technical Parameters

DC power supply

Input: AC 220V

Output: DC 24V/3A