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[Electric-pneumatic Proportional Servo Control System](#)

[Trainer](#)

[PN:0401060040](#)

[Electric-pneumatic Proportional Servo Control System Trainer](#)

[Features](#)

This electro-pneumatic proportional servo control system trainer is a professional pneumatic application experiments,pneumatic drive,electro-pneumatic servo position control system experiments,electro-pneumatic proportional system experiments,pneumatic pump and valve test system experiments and pneumatic curriculum design platform.It is especially suitable for students,scholars, experts, engineering and technical personnel in pneumatic discipline to build their own multi-unit integrated design experiments of pneumatic transmission,computer-aided testing system,programmable control system and computer control system in colleges and vocational schools with a variety of pneumatic components modules and programmable controller module.Electric-pneumatic Proportional Servo Control System Trainer can meet the teaching of the pneumatic disciplines for teaching and training of:

- 1,The performance test of pneumatic pump and valves.
- 2,The performance test of electro-pneumatic proportional valve and electro-pneumatic servo valve
- 3,Design experiments of computer-controlled electro-pneumatic proportional position control system..
- 4,Understanding the composition, working principle and calibration methods of electro-pneumatic servo position control system and the control characteristics of the electro-pneumatic proportional valve/servo valve

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[Typical Training Contents](#)

1. Electric-pneumatic proportional /servo control system and their component performance test

- 1.1 Flow characteristics test of electric-pneumatic proportional directional flow valve
- 1.2 Dynamic characteristics (step response) test of electric-pneumatic proportional directional flow valve
- 1.3 Pressure characteristics test of electric-pneumatic proportional pressure regulating

valve

1.4 Dynamic characteristics (step response) test of electric-pneumatic proportional pressure regulating valve

1.5 Electric-pneumatic proportional pressure control system of gas volume

1.6 Electric-pneumatic proportional pressure control system of cylinder

1.7 Electric-pneumatic proportional/serve speed control system of cylinder

1.8 Electric-pneumatic proportional/serve position control system of cylinder

2. Cylinder Performance Test

2.1 Cylinder pressure characteristic test

2.2 Cylinder speed characteristic test

2.3 Cylinder minimum pressure starting test (no load and load)

3. Performance Test of Pressure Regulating Valve

3.1 Flow characteristics test of pressure regulating valve

3.2 Relief/Overflow characteristic test of pressure regulating valve

3.3 Pressure characteristics test of pressure regulating valve

3.4 Pressure range characteristics test of pressure regulating valve

Electric-pneumatic Proportional Servo Control System Trainer

The Main Technical Parameters

1. The air supply system: gas pressure: 0.6 ~ 0.8 Mpa

Tank capacity: 80 ~ 100L

2. Compressor

Displacement: 100L / min

Motor power: 780W

Voltage: 220V

Speed: 1420 r / min

Rated pressure: 0.8MPa

Volume: 100L

3. Bench dimensions: 1280×760×910mm