



Portable Electro Pneumatic Trainer



Equipment Overview

- It mainly consists of aluminum alloy case, various minitype industrial pneumatic components, electric control part, minitype air compressor, etc.
- Small in size, light in weight, it could be used for demonstration, teaching and learning expediently. All components are to be encased in a portable case for secured storage purpose.
- The ports of pneumatic components and electrical elements are set apart, students can link pneumatic and electric control circuits autonomously, such as pressure control loop, direction control loop, speed control loop, sequential action loop, etc.
- This system allows learners to understand pneumatic components structure and functions, the set-up of basic pneumatic circuits and basic electro-pneumatic circuits.

Training Content

- Understanding of pneumatic components structure and functions
- Control loop of single acting cylinder
- Speed control loop of double acting cylinder
- Reversing loop of reversing valve (Pneumatic/electronic/manual control)
- Speed regulation loop of throttle valve
- Sequential loop of double acting cylinder
- Fundamental loop of pneumatic drive

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

Technical Parameters

1. Input Voltage: AC220 V $\pm$ 10%, 50 Hz; Output: DC24V
2. Overall power consumption: $\leq$ 0.3 kVA
3. Dimensions:
Component box 580mm $\times$ 420mm $\times$ 170mm (approx.)
Electrical control box 580mm $\times$ 420mm $\times$ 170mm (approx.)
4. Weight: 22kgs(approx.)



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Pneumatic Components	Qty
Single acting cylinder	1
Double acting cylinder	1
Filter relief-pressure valve	1
(5/2) way hand valve	1
(5/2) way single pneumatic controlled valve	1
(5/2) way double pneumatic controlled valve	1
(5/2) way single electronic controlled valve	1
(5/3) way double electronic controlled valve	1
Throttle valve	2
Roller lever valve(N/C)	1
AND gate valve	1
OR gate valve	1
Button valve	1
Rotary knob valve	1
Micro switch	2
Valve silencer kit	1

Electrical Control	Qty
Push buttons with N/C and N/O electrical ports	6
Knob switches with N/C and N/O electrical ports	3
Relay switches with N/C and N/O electrical ports	2
Timer switch with N/C and N/O electrical ports	1
Electric fuse	1
ON/OFF switch	1
Switching power supply	1

Accessories	Qty
Power line	1
Power socket	2
Safety plug wire (4mm) (red, black)	1
Air tube (10m)	1
Fuse protector	5
Mini type air compressor	1
Aluminum alloy box with mounting slot	2

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