



PRACTICAL PNEUMATICS CONTROL SYSTEM

OBJECTIVES

The Practical Pneumatics Control System is designed to teach the fundamentals of pneumatics and its application in industry, also to make potential automation technologists and technicians aware of essentials in one of the technologies' automation uses. This course provides low-cost, fast-acting actuator operation for many industrial applications including conveyor positioners, robot grippers, CNC machine vises and other clamping fixtures and instrumentation / process control valves. This course provides participants with the equipment and experiments to set up and test the operation of pneumatic control circuits as they are used in industrial applications.

WHO SHOULD ATTEND

1. Anyone with general technical knowledge.
2. Working in a technical environment.
3. Technicians, Supervisors and Engineers who wish to enhance their knowledge in the operation of control system.

COURSE OUTLINE

DAY 1

1. Application and Advantages of Compressed Air, Safety and Equipment Orientation.
2. Pressure Measurement, Volume-Pressure Relationship, Compression and Heat and Measuring Flow and Pressure Drop
3. Directional Control and Symbols

DAY 2

1. The Air Compressor, Conditioning and Distribution of Compressed Air
2. The Pressure Switch Control, Pressure Switch Operation, Safety Relief Valve and Pressure Regulator Operation
3. Cylinder (Linear Actuator), Force/Area/Pressure Relationship in Pneumatics Cylinders. The Air Motor (Rotary Actuator) and Rotary Actuator Operation (Continuous Rotation type)

DAY 3

1. The Lever-Operated 4-way Directional Control valve and Controlling Actuators with 4-way Directional valves
2. Two-way valves and Speed Control
3. Precautions for using Pneumatics devices

TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

COURSE FEE (STECH-P02)

RM540.00 per pax (member)
RM660.00 per pax (non-member)

(Inclusive of course materials, lunch and refreshment)

Certificate of Achievement will be awarded upon successful completion of the course.

*PROLUS
claimable*

COURSE DETAILS

Duration : 3 Days

Date :

Time : 9.00am to 5.00pm

Venue : PESDC Training Complex

For Further Enquiries, please contact:

Mr Thillai or Mr Jeremy lai

PESDC Training Complex

Jalan Johan 2/2, Kaw. Perindustrian Pengkalan 2
31550 Pusing, Perak

Tel : 05 366 8869

Fax : 05 366 8870

Email : thillai@pesdc.edu.my or jeremylyell@yahoo.com

H/P : 019 542 3158

016 5137368