

## PLC Control Pneumatic Trainer (Single Side)

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UNPMES merupakan solusi edukasi mekatronika yang dapat menjembatani kebutuhan dunia industri dengan dunia pendidikan. Mengadaptasi teknologi terkini yang di terapkan pada kondisi industri di lapangan, UNPMES memberikan modul pelatihan mekatronika dari tingkat dasar hingga mahir.

Dengan melakukan pelatihan dan pembelajaran mekatronika UNPMES, peserta didik dapat memahami penerapan teknologi dan aplikasinya pada dunia industri yang sebenarnya untuk memperkaya literasi sumber daya manusia Indonesia terhadap Revolusi Industri 4.0

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**VMES 4.0**

## PLC Control Pneumatic Trainer (Single Side)

Model : **MES-PNEUMATIC-D205**



### Benefit :

- Alat bantu laboratorium untuk support pembelajaran di bidang
- elektronika dan mekatronika.

### Features :

- Battery Storage System consisting of Lead Acid Batteries 12 Volt DC
- Inverter to convert DC power into AC power
- All connections are made with 4mm educational safety sockets and test leads

### Technical Specification :

- Power parts : with leakage protection function, the power will
- be disconnected automatically due to wiring error and short
- circuit is caused.
- The supply voltage : three-phase five-wire AC 380 V  $\pm$ 5%,
- 50Hz.
- Control voltage DC24V /  $\pm$ 12 V.
- Machine capacity : approx. 1 kVA.
- Working temperature : -50 ~ 40 O C.
- Working humidity : approx. 90% (400 C) .

### Configuration :

- 1 set training bench approx. 1600 x 650 x 1800 mm
- Power module, button module, inter mediate relay module PLC
- host module, Programming cable match with PLC, COM port
- extention line, compressor.
- min. 10 pcs tube plug diameter  $\varnothing$  6 .
- min. 30 m air tube diameter  $\varnothing$  6 .
- min. 1 pack safety connection line .
- min. 1 pcs power socket.
- min. 1 pcs power cable.
- min. 1 set pneumatic component as follows :
- min. 3 pcs mini cylinder.
- min. 1 pcs mini cylinder .
- min. 1 pcs FRL.
- min. 6 pcs One way throttle valve.

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## Configuration :

- min. 2 pcs button type manual valve (normally open) .
- min. 2 pcs button type manual valve (normally close).
- min. 4 pcs Roller lever type mechanical valve.
- min. 1 pcs Knob valve.
- min. 1 pcs Manual control two position five way valve.
- min. 1 pcs Single pneumatic control two-position three-way valve (normally open).
- min. 1 pcs Single pneumatic control two-position three-way valve (normally close).
- min. 2 pcs Single pneumatic control two-position five-way valve.
- min. 2 pcs Double pneumatic control two position five-way valve.
- min. 1 pcs Double pneumatic control three position five-way valve.
- min. 1 pcs Single electrical control two position three-way valve (Normally open).
- min. 1 pcs Single electrical control two -position three-way valve (Normally close).
- min. 2 pcs Single electrical control two position five way valve.
- min. 1 pcs Double electrical control two-position five way valve.
- min. 1 pcs Double electrical control three-position five way valve.
- min. 2 pcs Shuttle valve (or gate valve).
- min. 2 pcs Double pressure valve (gate valve) .
- min. 1 pcs quick exhaust valve.
- min. 1 pcs Time-delay valve (normally close).
- min. 1 pcs Time-delay valve (normally open).
- min. 1 pcs Reducing valve with pressure gauge.
- min. 10 pcs Tee Ø 6.
- min. 6 pcs electronic control travel switch.
- min. 1 pcs accumulator approx. 1L.
- min. 1 pcs two position three way pressure sequence valve.
- min. 1 pcs pressure relay.



## Supply Including :

- Standard accessories.
- All necessary cable requirements.
- All necessary materials for installation
- Operation and maintenance books in english or bahasa Indonesia (if available).
- Initial Training for using of the equipment for 2 person for 3 working days.

## Layanan Purna Jual :

- Common Accessories.
- Materials for Installation.
- Provide Cable Requirement.
- Modul Pembelajaran VMES 4.0.
- Buku Panduan Manual.
- Surat Dukungan.
- Authorization Letter.
- Training of Trainer Session (TOT).
- Installation, Commissioning etc.
- Spare Parts availability up to 7 years.
- Garansi 2 Tahun setelah Pengiriman dan Kerusakan karena Produksi Awal.

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