

## PNEUMATICS DISCOVERY UNIT



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### Experimental capabilities

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- Study of pneumatic controls
- Study of the electropneumatic controls
- Study of mechanical controls
- Study of various types of distributors (3/2, 5/2 monostable and bistable)
- Study of various technologies of actuators associated with these controls (suction cup, single acting cylinder, double acting cylinder)
- Study of ILS magnetic sensors, inductive 3 wires and with contact

## Operating principle

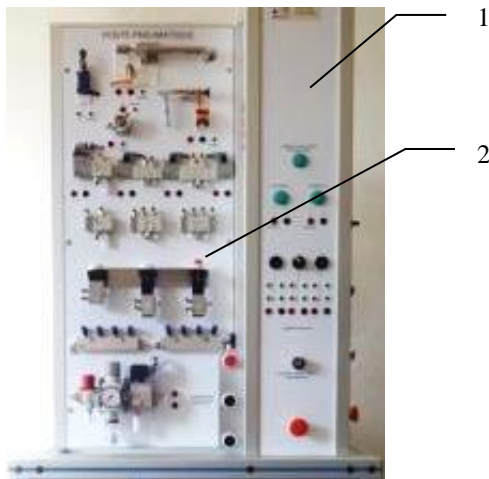
The bench MEP030 is a bench destined to the discovery of pneumatic and industrial electropneumatic

It integrates on his console, push buttons controls and switch, electrical and pneumatic, display indicator lights of the sensor states, but also a power supply module FRL (filter pressure control, pressurization valve) distributors, actuators and sensors representative of widespread industrial technologies.

It allows a large number of wiring diagrams and pneumatic pipings

The anodized aluminum chassis on compact foot makes the MEP030 easy to integrate on a table or workbench.

## Illustrations



## Technical details

1. Control panel consisting of the main power station, the distribution of 24Vdc on double sink sockets, status lights sensors, dry contact buttons and switches to realize the electrical control circuits, emergency stop
2. Pneumatic panel bringing together a unit FRL with pressurizing and purging valve, manometer, 3/2 distributors, 5/2 monostable and bistable, with mechanical, pneumatic or electrical control, single-acting cylinder, double-acting cylinder, suction cup with venturi, a roller sensor, inductive sensor, vacuum switch and ILS sensor / programmable switch
3. Storage case for all accessories (cables, pneumatic hoses, documentation)

## Services required

- Electrical supply : 230 Vac – 50 Hz – 2 A
- Electrical network : 1 phase(s) + Neutral + Earth.
- Compressed air supply: 6-8 bars (dry air)
- Dimensions: (LxWxH mm): 800 x 400 x 800
- weight (Kg): 40

## Documentation

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine