

Product Name :
Flow Level Pressure Temperature Control Bench

Product Code :
EEH0015



Description :

Flow Level Pressure Temperature Control Bench

Technical Specification :

Flow Level And Level Flow Cascade Control Bench Manufacturer

Two vats in altuglas.

A feeding tank in transparent PVC.

Coiled circuit to create a delay.

A turbine flowmetry.

A rotameter for comparison of the flow measurements on feeding.

A rotameter for the disturbance, calibrated of the flow.

A pneumatic control valve, $K_v = 2,5$.

An IP converter.

A pressure regulator.

Two pressure sensors for the level measurement, situated under the 2 vats in altuglas.

Two manual needle valves.

A stainless steel centrifugal pump.

A master controller.

A slave controller.

Display of the measurement and the set point for the two controllers.

Painted steel control cabinet including :

The padlock main switch,

The ON light,

The restart button,

The emergency stop button,

The 2 controllers,

A 4 positions switch for the choice of:

The 1st range level process control

The 2nd range level process control

The flow process control

The cascade process control.

Safety connector 0-10 V for input/output of the controllers.

The control and the safety device of the pump.

Option:

Option 1 : Data acquisition module ref MAC2 composed with :

A converter RS485/RS232 or USB.

A data acquisition software under Windows allowing.

Reading PID parameters.

The drawing of the curves.

The remote control of the regulator parameters.

The storage of the values.

Essential requirements

Power supply : 380 V three phases – 50 Hz – 0.37 kW (other voltages on inquiry).

Compressed Air supply: 6 NL/h – 6 bars (not supply as standard).

PC computer.

Dimensions and weight

1500 x 600 x 2100 mm

100 Kg

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