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Product Name :
Pressure Control Demonstration Unit

Product Code :
LBNY-0005-12700087



Description :

Control valve: electro-pneumatic control valve
Digital industrial controller, parameterisable as a P, PI or PID controller
Large process schematic on front panel
Experimental unit for control engineering experiments
Generation of disturbance variables by needle valve
2 Manometers
Process variables X and Y accessible as analogue signals via lab jacks
Pressure control of a 2nd order controlled system with 2 pressure tanks
Pressure measurement by pressure sensor.

Technical Specification :

Operating pressure: 6bar
Pressure tanks
Pressure: max. 10bar
Pressure sensor: 0...6bar
Capacity: 10L
Manometers: 0...10bar
Electro-pneumatic control valve
Nominal valve stroke: 6mm
Reference variable: 4...20mA
Controller: parameterisable as P, PI or PID controller
Connection of external recording devices (e.g. oscilloscope, line recorder) via lab jacks

Process variables as analogue signals: 0...10V.



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