

Product Name :
Computerized Flow Control Trainer

Product Code :
CHINAELABC2550002



Description :

Computerized Flow Control Trainer

Technical Specification :

FEATURES:

Construction of the system with components commonly used in industry
Digital controller with freely selectable parameters: P, I, D and all combinations
Experimental introduction to control engineering using an example of flow control
Fundamentals of control engineering
Real industrial control engineering components: controllers, transducers, actuators

SPECIFICATION:

Storage tank: 30L
Centrifugal pump :
Power consumption: 250W
Flow rate: 150L/min
Head: 7m
Speed: 2800min⁻¹
Rota meter: 0...1960L/h
Electromagnetic flow rate sensor: 0...6000L/h

Control valve with electric motor :
Kvs: 5,7m³/h
Stroke: 5mm
Characteristic curve equal-percentage

Valve-opening position sensor: 0...1000?

Line recorder :

2x 4...20mA

Feed rate: 0...7200mm/h, stepped

Controller :

Process variables X, Y as analogue signals: 4...20mA

Power required for operation :

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase



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