

**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<sup>-1</sup>  
Rota meter: 0...1960L/h  
Electromagnetic flow rate sensor: 0...6000L/h

Control valve with electric motor :  
Kvs: 5,7m<sup>3</sup>/h  
Stroke: 5mm  
Characteristic curve equal-percentage

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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



**Engineering Lab China**