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**Product Name :**  
Computerized Temperature Control Trainer

**Product Code :**  
SCHOOL-MES880005



**Description :**

Computerized Temperature Control Trainer

**Technical Specification :**

**FEATURES:**

Experimental introduction to control engineering using an example of temperature control

Construction of the system with components commonly used in industry

Digital controller with freely selectable parameters: P, I, D and all combinations

**SPECIFICATION:**

Pump, 3-stage :

Power consumption: 70W

Flow rate: 3,6m<sup>3</sup>/h

Head: 4m

Screw-in heater: 2kW

Heat exchanger: approx. surface area 2,8m<sup>2</sup>

Fan :

Power output: 250W

Flow rate: 780m<sup>3</sup>/h

Differential pressure: 430Pa

Speed: 2880min<sup>-1</sup>

Thermocouple: type J: 0...200°C

Thyristor power controller max. Load current: 25A

Line recorder :

1x 4...20mA, 1x 0...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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**School Educational Instruments**

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