

## Slotted measuring section control of a ventilated furnace



### DESCRIPTION

- The unit is delivered supplement, with teaching handbook and technical documentation..
- Design, manufacturing and material industrialists.
- The didactic interest is intended for various levels and fields of studies.

### PEDAGOGIC APPLICATION

- Study of the elements of a measuring equipment and a closed loop.
- Sensor, converters, regulator, actuator and indicator.
- Regulation PID or car adaptatrice
- Comparison of various types of temperatures gauges.
- Checking of the sensors by reports/ratios to a reference.

## DESCRIPTION OF THE UNIT



**Configurable indicator**  
Entry 4-20 mA or temperature gauge

**Temperature sensor**  
Thermocouple K  
Thermocouple J  
Thermometer with dial bubble  
Probes Pt 100  
Thermometer with dilatation of liquid

**Indicator with calibrate probes Pt 100**

**Programmable transducer**  
Entry temperature gauge – exit 4-20 mA

**Regulator PID EUROTHERM**

**Thyristor relay for the piloting of the resistance of the furnace**

**Furnace ventilated 23 L – 800 W**

**Adiabatic vase DEWAR for the validation of measurements at 0°C**



## **UTILITES**

Electricity : 230 Vac  
1 liter of water with ice

## **DIMENSIONS ET POIDS**

Length : 1235 mm  
Width : 550 mm  
Height : 620 mm  
Weight : 70 kg