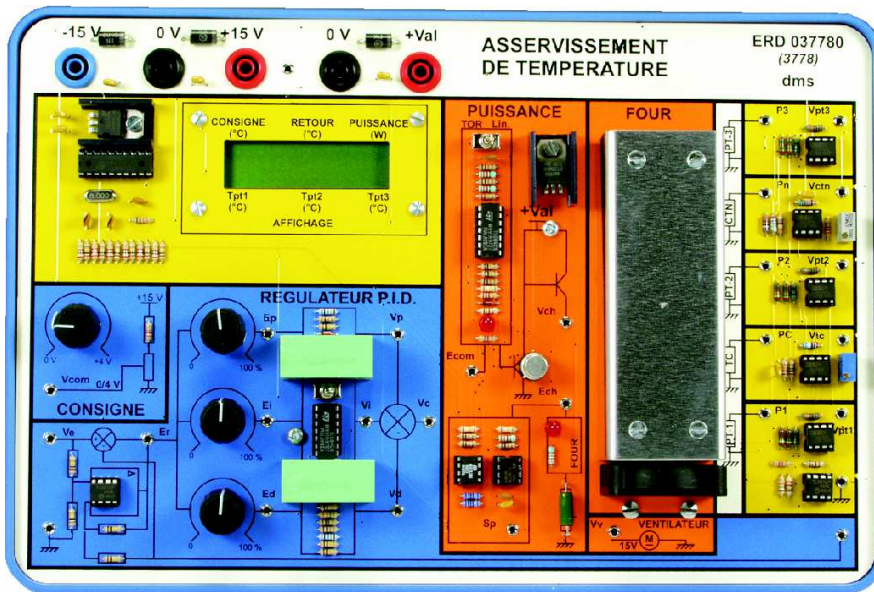
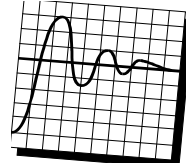


SERVO-SYSTEMS & PROCESS CONTROL



ERD 3778

PACKAGE ERD3778B TEMPERATURE REGULATION STUDY

The ERD 3778 is composed of a temperature process control module and his accessories.
ERD 037 780 : Process control module of thermal mass with disturbance by ventilation.

1 heating element, 15 Ohms 25 W, NPN transistor command.
A study with current command is possible.

CORRECTION FUNCTION

1 set point level generator,
1 feedback loop set point comparator,
1 PID or On/Off corrector to individual Proportional, Integral and Derivate setting,
1 adder .

SENSORS

Several technologies of sensor are used :
Resistive sensor with positive ratio,
Platinum sensor PT100 Ω to 0°C,
Resistive sensor to negative ratio CTN 22 K Ω at 20 °C,
Thermo-electric effect sensor

SUPPLY

By external supply (in option) +/-15Vdc, 24 VDC 2.5A.

ACCESSORIES :

Cable package, 20 of 2 mm and 5 of 4 mm (supplied)
PMM062470 Adjustable power supply: 5 Vdc 4A, 12 to 24 Vdc 2,5A and 29V 2A
PMM062210 Power supply: +/- 15 Vdc, 500 mA

Also necessary for the practical works :

LF Function Generator 0,2Hz/2MHz adjustable offset, sinus square triangle, BNC output
Digital oscilloscope 60MHz, 20 Géch/s
Isolated BNC cable M-M, 1-m long black (qty of 3 suggested) ; BNC T (1 Male /2 female ouputs)

Packing : 1 box : 30 x 20 x 30 cm, Weight : 2 kg