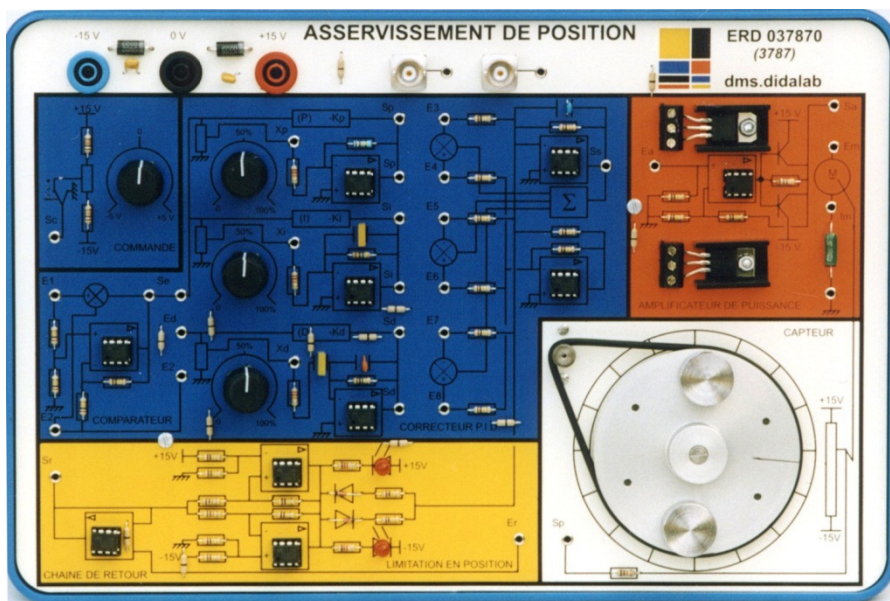
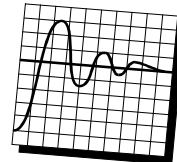


# SERVO SYSTEMS



ERD 3787

## PACK ERD3787B POSITION SERVO-SYSTEMS STUDY

### ERD 037 870 : Position servo-systems module, description :

#### OPERATIV PART

1 disc with 2 additional inertia induced by a 12Vdc motor, a potentiometers for reporting positions is associate to the disc by a flexible belt.

Power interface is type current control.

#### CORRECTOR FONCTIONS

1 comparator, 1 summer.

1 PID corrector, Proportional, integral and derivate functions, the influence of each branch is adjustable.

2 LEDs inserted in the return chain report a limited operation.

#### CONTROL SIGNAL

1 potentiometer of instruction generator,

2 adapters BNC/2 mm allow the injection of a control signal from a low frequency generator and see on a oscilloscope the system comportment.

The ERD 037 870 module is delivered with its experimentation manual.

### ERD3787B, basic package «position servo-system by PID corrector» composed of :

Référence	Désignation	Qtés
ERD037870	Position servo-system module, PID corrector, DC motor, potentiometers for reporting positions, user guide	1
ERD037782	Cords kits, lengths and colors match with back sockets : 20 of 2 mm, 5 of 4 mm double sink.	1
	<b>Options to provide :</b>	
PMM062200	Common setting supply: +10 to +15 Vdc 4 A and -10 to -15 Vdc 2 A	1
PMM022400	Low frequency generator 0,2 Hz à 2 MHz, sinus, square, triangle, setting offset	1
EMD018010	Digital Oscilloscope 2x100 MHz	1
PEM010020	Cord BNC isolated M-M length 1m black	3
PEM063960	T BNC 1 Male /2 female plug	1