



2 units allow the study of main optoelectric transducers. In associating both units, it is possible to illustrate some applications such as light gates, data transmission, optical fiber telephone, ...

### OPTOELECTRIC TRANSDUCERS

#### Sender unit

Incandescent lamp, DEL red, yellow, green, infra red,  
Optical fiber sender, Optocolour,

#### Receiver unit

Photoresistor, photodiode, phototransistor, optical fiber receiver, optical detector,  
Photobattery.

### LAB WORKS :

- Static specification of a DEL
- Dynamic specification of a DEL
- Static specification of a diode
- Detection of light presence
- Production and detection of light pulses
- Production and detection of modulated light pulses
- Sound transmission by optical fiber
- Digital data transmission
- Light gate
- Study of a transmission medium.

### The PED3791C Pack « STUDY of OPTOELECTRIC TRANSDUCERS » includes :

Reference	Déignation	Quantity
PED 037 911	Sender unit, Incandescent lamp, DEL red, yellow, green, Infra Red, optocoupler	1
PED 037 921	Receiver unit, photoresistor, optical fiber receiver, photodiode, optical detector, photobattery, plastic fiber	1
ERD 037 782	Bag of security stackable patching cords (several lengths and colours) 20 of 2 mm and 5 of 4 mm	1
PMM 062 180	Symmetric power supply $\pm 15V$ , 1A	1