



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