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1. Lascells Microwave Kits

The microwave transmitter utilises a Schottky diode oscillator module feeding a tuned waveguide and horn to give a directional microwave beam. The beam is modulated with a variable frequency audio signal which can be adjusted by the control on the top panel.

Power is from a mains plug-top unit (supplied).

The microwave receiver uses a plate antenna which gives high sensitivity over a broad area. Output is to an internal loudspeaker and power is derived from a mains plug-top unit (supplied). A control allows the user to adjust the sensitivity to cater for different circumstances and distances.

The microwave probe receiver gives a localised, precision receiver which finds particular application in identifying areas of peak and low amplitude in interference, reflection and refraction experiments. There are two controls, one for sensitivity and the other for volume of output to the internal loudspeaker. Power is from a mains plug-top unit. Output can be monitored by a CRO connected to the 4mm sockets for quantitative measurements.

Code	Description	Pack	Price
EDU2160	Microwave transmitter	Each	**£230.77**
EDU2162	Microwave receiver	Each	**£222.45**
LA50-440A	Microwave probe receiver	Each	**£161.70**
LA50-460A	Microwave complete set: transmitter, receiver and probe	Each	**£601.64**
EDU2164	Microwave accessory kit	Each	**£60.99**
EDU2166	Microwave polariser pair	Each	**£30.99**

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2. Optika Microwaves Optics Kit

This microwaves kit includes one transmitter, one receiver and several accessories. It is useful to study several experiments on microwaves: it allows students to observe that microwaves have the same characteristics of light waves and they result in the same phenomena as reflection, refraction and diffraction.

The experiments that can be carried out concern:

- Polarisation
- Diffraction
- Refraction
- Total reflection
- Reflection
- Absorption
- Propagation of microwaves

Code	Pack	Price
EDU2158	Each	**£947.86**

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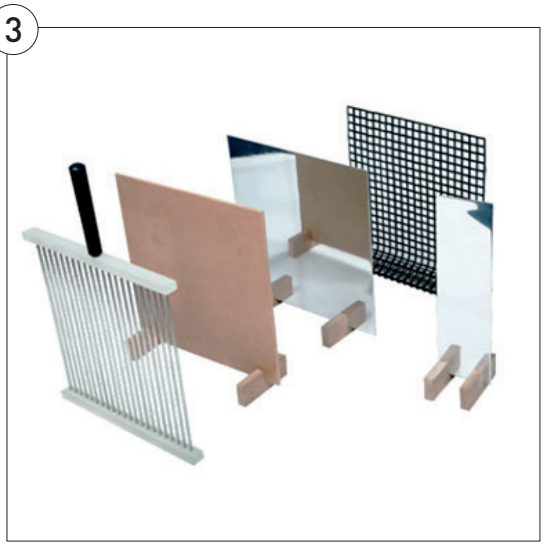

3. Microwave Accessories

Reflectors

Polished aluminium plate, supplied with feet. Size 210 x 210mm.

Code	Pack	Price
EDU1158	Each	**£7.86**