



## MW WAVEGUIDE EXPERIMENT KIT



**SKU:** frm-mw-105-kit-waveguide-a



## PRODUCT DESCRIPTION

This amazing kit features a broad-band diode envelope detector and waveguides allowing you to detect, demodulate and measure microwaves with a spatial sub-millimetre resolution.

### Example experiments:

- Study the propagation of the wave inside the waveguide
- Polarization by rotation of the waveguide
- Speed of light
- cut-off frequency

### Content

- Rectangular 30x15x500mm anodized aluminium slotted waveguide,
- 30x15mm waveguide holder, 2pcs
- 30x15mm cable holder
- 30mm diode detector slider
- Rectangular 10x20x500mm anodized aluminium slotted waveguide
- 20x10mm waveguide holder, 2pcs
- 20x10mm cable holder
- 20mm diode detector slider
- Cylindrical 20x500mm anodized aluminium waveguide
- 20mm waveguide holder, 2pcs
- Diode detector with 12V supply and audio output compatible with our MW transmitters and receivers
- aux 3.5mm audio cable
- dc power extension

The diode detector has a standard audio output, so it can be connected to sound cards, oscilloscopes, speakers, etc