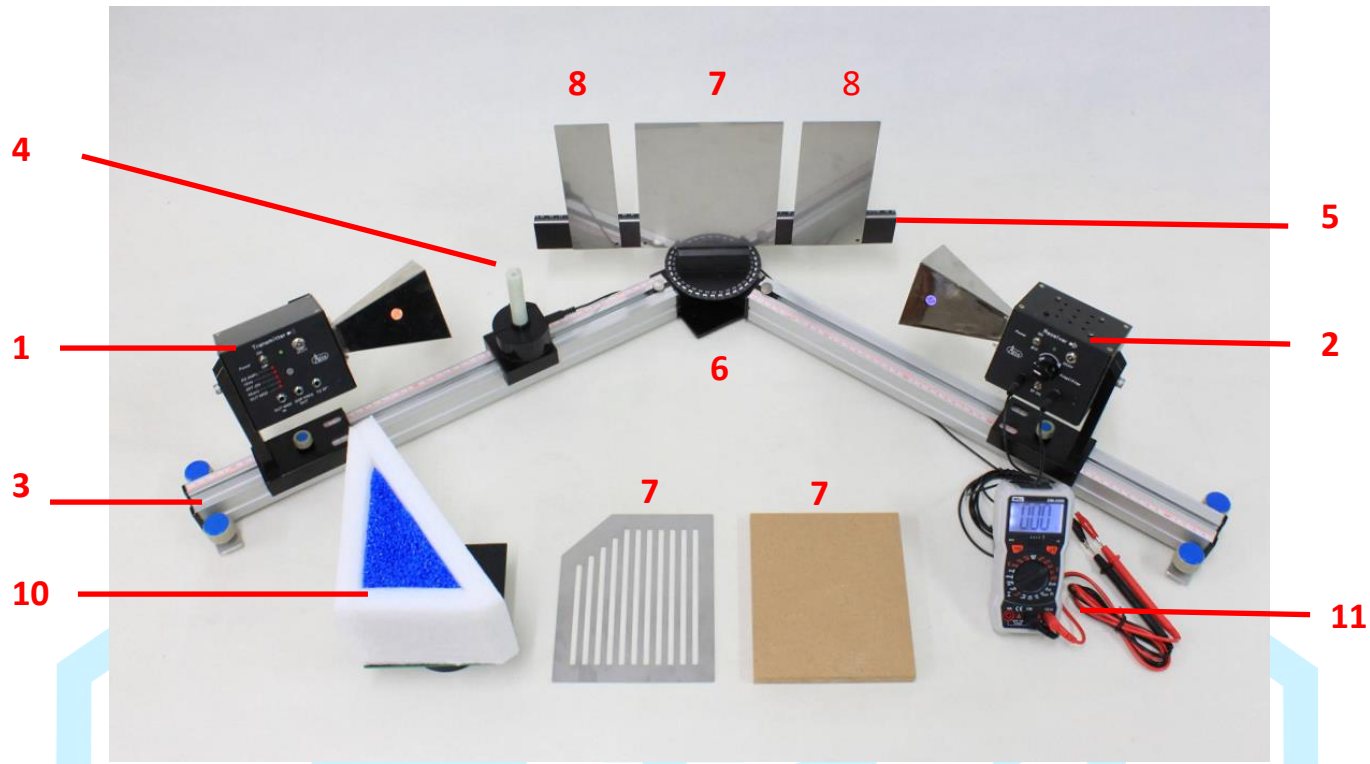
A03-733E-Y02

Electromagnetic wave experiment



Experiment content

1. Microwave basic introduce.
2. Relative to reflection measure of microwave and angle.
3. Microwave wavelength frequency
4. Refraction of microwave
5. Polarization of microwave
6. Slit diffraction interference.

Item	Name	Quantity	Describe
1.	Microwave emitter	1 set	Operating frequency: 11GHz. Nominal power: ≧10mw. Built-in single: 1kHz、ON~OFF、music. External single: ≧1V. Energy consumption: ≦5w. Power supply：DC6V/DC12V subject to the actual sample.
2.	Microwave receiver	1 set	Amplifier gain：≧50dB. Power supply：DC6V /dry battery number four *3 subject to the actual sample. minimal measurement range：50cm

			Energy consumption：≦5w attached 3.5 sound source cable transfer to crocodile clip.
3.	slider track with angle measurement ruler	1 set	One set of angle measurement tray Two pieces of aluminum arm (60cm)
4.	Standing wave receiver and base	1 set	1. magnetic signal receiver antenna 2. n shape slide base 3. Attached 3.5mm signal cable
5.	slit rack	1piece	L shape of metal rack attached magnetic in the back.
6.	Magnetic accessory base	1 set	Metal rack can be placed on angle measurement tray.
7.	Reflection board set	1 set	metal reflection board *1, half-reflection board *1, polarization board*1.
8.	Diffraction set	2 sets	two pieces of different width of metal diffraction board
9.	DC power supply	2 sets	output DC6V/1A with plug 5.5-2.5mm.
10	Prism set	1 set	1. Imitated prism *1. 2. One pack of polystyrene particles. 3. Loading part* 1
11	Multimeter	1 set	