



THE LAB EQUIPMENT

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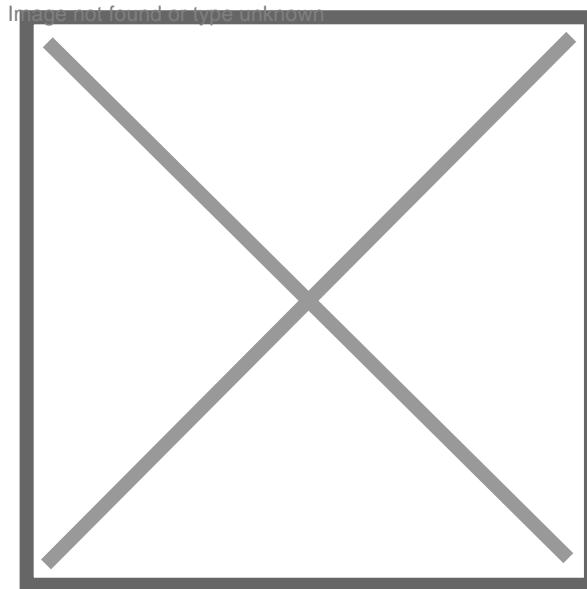
**Product Name :**

Apparatus for Demonstrating Reflection,  
Refraction, Polarization and Diffraction Using  
Microwaves

**Product Code**

:

SCL-203/050



**Description :**

DESCRIPTION :-

- Consists of a microwave transmitter, Wave transmitter: Gunn diode 10.7GHz ( $\lambda = 2.8\text{cm}$ ), power 30W voltage (10-12) V to (2 - 3.5) V. Cylindrical case with a diameter of 83mm and a length of 70mm.
- Overall length 225 mm.
- Wave receiver: Similar in construction to the transmitter.
- Probe detector: silicon microwave diode same as receiver but mounted on a short, vertical, non-metallic rod.
- The base of the probe with 4 sockets connection to the external circuit with dimensions (75x50x135) m. a microwave receiver, a power source, a diode, a speaker, an Aluminum Mirror with dimensions 200x300mm, an Aluminum Mirror with dimensions 50x300mm, an Aluminum Mirror with dimensions 300x300mm, a Mirror with acrylic Mirrors with 300x3x3x3 dimensions 300x300mm, a Polarizing Mesh measuring 190x300mm, a Digital Multimeter, a BNC t Cable and a BNCK Cable