

**ST-2013 Microwave Labkit**



Following Experiments Can be performed using this Labkit :

- i) To understand basic setup & introduction of given system.
- ii) To study reflection in Microwaves.
- iii) To study refraction through prism.
- iv) To study polarization using microwaves.
- v) To study Double-Slit Interference.
- vi) To study Lloyds Mirror.
- vii) To study Fabry-Perot Interferometer.
- viii) To study Michelson Interferometer.

ix) To study Fiber Optics.

x) To measure Brewster's Angle.

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xi) To study Bragg Diffraction using crystal lattice structure.

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ST-2013 Compact Microwave Labkit consists of the following Components and Instruments :-

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1. Gunn Power Supply	ST-X-110	01 No.
2. Gunn Oscillator	ST-X-2152	01 No.
3. Variable Attenuator	ST-X-5020	01 No.
4. Horn Antenna	ST-X-5041	02 No.
5. Goniometer / Turn Table		01 No.
6. Receiver		01 No.
7. Reflector Plates		02 No.
8. Partial Reflector		02 No.
9. Prism		01 No.
10. Lattice Structure		01 No.
11. Polyfoam sheet		01 No.
12. Cooling Fan		01 No.
13. BNCTO BNC Cable	ST-C-101	01 No.

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