



This equipment set provides an introductory package of student experiments that treats the subject of electromagnetic waves in free space without placing great emphasis on accuracy or interpretational background. The measurements are simply tabularized by hand and then worked out in writing.

Topics

- The Gunn oscillator
- Basic properties of microwave fields
- Wave propagation in dielectric mediums
- The pseudo-optic behavior of microwaves
- Wave propagation on transmission lines
- Applications for microwave technology

EQUIPMENT SET LIST

Student Experiments with Microwaves

| QUANTITY | CAT. NO | DESCRIPTION |
|----------|---------|-----------------------------------|
| 1 | 737 01 | Gunn Oscillator |
| 1 | 737 020 | Gunn Power Supply with Amplifier |
| 1 | 737 21 | Large Horn Antenna |
| 1 | 737 27 | Physics Microwave Accessories I |
| 1 | 737 275 | Physics Microwave Accessories II |
| 1 | 737 35 | E-Field Probe |
| 1 | 579 28 | Loudspeaker with transformer |
| 1 | 599 312 | Book: Experiments with Microwaves |

