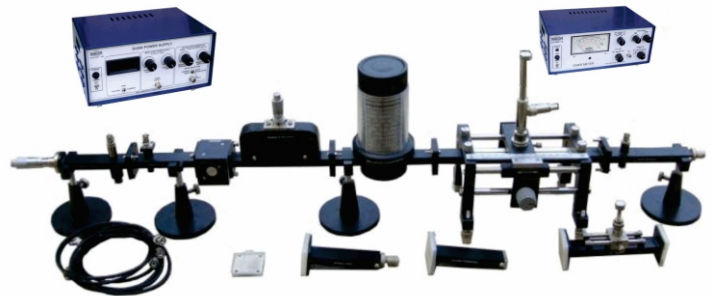


**MICROWAVE TEST BENCH
KLYSTRON BASED TRAINER
SET-UP NO. 1
OMEGA TYPE ES-501**



OMEGA TYPE ES-501 uses low power reflex klystron along with its klystron power supply and klystron mount, as a microwave signal source along with other standard high quality components and VSWR meter, enables to perform under mentioned experiments in the laboratory. The waveguide components are based on rectangular waveguide equipped with rectangular plain flanges.

The set up is complete in all respect and requires only CRO. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT'S:

- 01 Study of the characteristics of klystron tube and to determine its electronic tuning range
- 02 To determine the frequency & wavelength in a rectangular waveguide working on Te_{10} mode.
- 03 To determine the standing wave ratio and reflection coefficient.
- 04 To measure an unknown impedance with Smith Chart
- 05 To study the square law behavior of a microwave crystal detector.
- 06 To study the variable attenuator

FEATURES

- | | |
|--|------------|
| 01 BNC to BNC Cable | 2 |
| 02 Cooling Fan | 1 ES-580 |
| 03 Detector Mount Wave Guide | 1 ES-539 |
| 04 Ferrite Isolator | 1 ES-534 |
| 05 Frequency Meter Direct Reading | 1 ES-535 |
| 06 H Plan Tee | 1 ES-552 |
| 07 Klystron Mount with Klystron Tube 2K25 | 1 ES-533 |
| 08 Klystron Power Supply | 1 KPS-801 |
| 09 Matched Termination | 1 ES-542 |
| 10 Movable Short | 1 ES-540 |
| 11 Slide Screw Tuner (S.S. Tuner) | 1 ES-550 |
| 12 Slotted Section with probe carriage | 1 ES-537 |
| 13 Tunable Probe | 1 ES-538 |
| 14 Variable Attenuator 20db | 1 ES-536 |
| 15 VSWR Meter | 1 VSWR-796 |
| 16 Wave Guide Stand | 4 ES-543 |
| 17 A Demo Video CD | 1 |
| 18 Smith Chart (Pad of 100Pcs) | 1 |
| 19 Weight : 25 Kg. (Approx.) | |
| 20 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References. | |

OTHER APPARATUS REQUIRED :

- 01 Cathode Ray Oscilloscope 20MHz.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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