

A breakthrough in Microwave Training

The LRL550B-SS Combination Solid State/Klystron
Microwave Training System

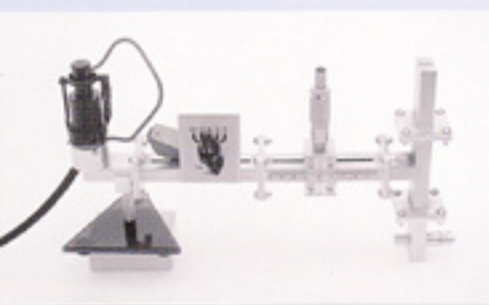
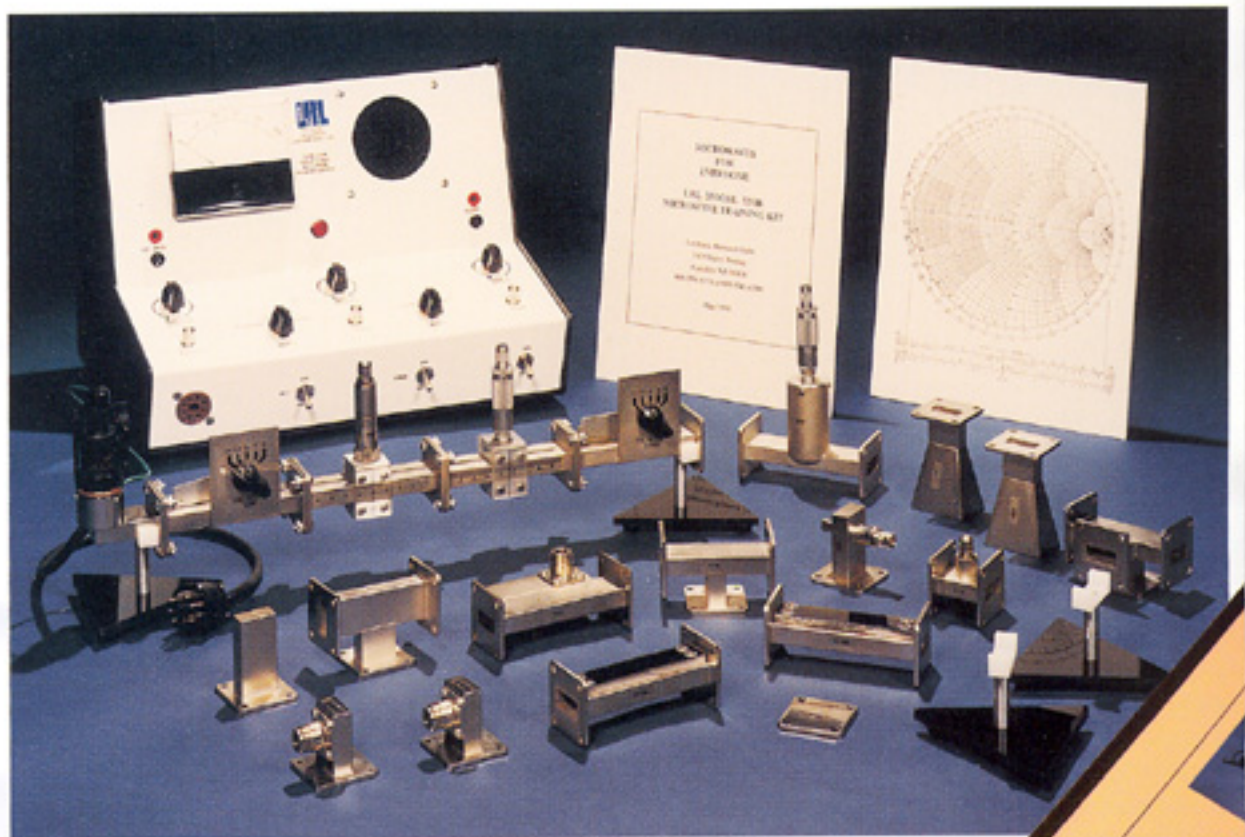
The only microwave training system that enables the trainer
to teach both Klystron and Solid State theory with a single,
economical training system.



RELIANCE
A PEI-Genesis Company

The importance of global communications

has never been greater and in many cases, microwave technology is the answer. This results in a need for more engineers, technicians and technical managers trained in microwave technology.



The LRL550B-SS provides everything needed to teach both Solid State and Klystron microwave theory. Each training system includes a 97-page Lab Manual that translates theory into application through 15 classroom experiments.

Instructors can use the standard lesson plan or create many other demonstrations using the components provided in each kit.

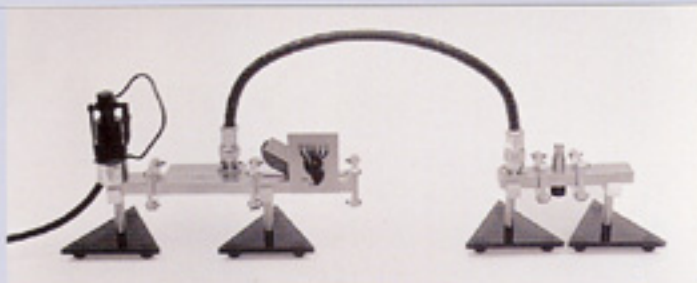
For additional information and specifications, or to order this versatile, cost-effective training system, call 215-638-8200, contact us on line at www.relianceusa.com, or E-mail us at sales@relianceusa.com.

Kit Contents

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|--|--|
| 1 Solid State Oscillator (LRL 503-55)
Solid State/Klystron Trainer Only | 1 Fixed Attenuator (LRL 513A) |
| 1 2K25 Klystron (LRL 723) | 1 Fixed Attenuator (LRL 513B) |
| 1 Klystron Tube Mount (LRL 503A) | 1 Cable RG-9 "N" to "N" Male (LRL 514) |
| 2 Transitions (LRL 502) | 3 Cables RG-58 BNC to BNC Male (LRL 515) |
| 1 Frequency Meter (LRL 504) | 1 E-Plane Tee (LRL 516) |
| 1 Slotted Line (LRL 505) | 1 Tuning Probe (LRL 517) |
| 2 Variable Flap Attenuators (LRL 506) | 1 Detector Mount (LRL 518) |
| 1 Termination (LRL 507) | 1 E-H Plane (LRL 521) |
| 1 Thermistor Mount (LRL 508) | 4 Waveguide Stands (LRL 523) |
| 1 Power Supply (Thermistor Bridge
& Amplifier) (LRL 510A) | 2 Horn Antennas (LRL 530) |
| 1 H-Plane Tee (LRL 511) | 1 Shorting Plate (LRL 532) |
| 1 Directional Coupler (LRL 512) | 1 Bag: 8/32 Screws and Nuts |
| | 1 Training Manual (LRL 530) |
| | MICROWAVES FOR EVERYONE |

Lesson Plan

- | | |
|---------------|-----------------------------|
| Introduction | Transmission Line Theory |
| Experiment 1 | Measurement of Power |
| Experiment 2 | Standing Wave Ratio |
| Experiment 3 | Frequency and Wavelength |
| Experiment 4 | Measurement of Impedance |
| Experiment 5 | Attenuator |
| Experiment 6 | Klystron Characteristics |
| Experiment 7 | Microwave Tuner |
| Experiment 8 | Directional Coupler |
| Experiment 9 | Series Tees and Shunt Tees |
| Experiment 10 | Detectors and Mixers |
| Experiment 11 | Reflection Loss |
| Experiment 12 | Propagation of Microwaves |
| Experiment 13 | Microwave Antennas |
| Experiment 14 | Solid State Characteristics |
| Experiment 15 | On Your Own |



This rugged case permits safe storage of training kit components. Each component has a specific, preformed slot that helps ensure that all components are safely stored and available for the next training session.



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