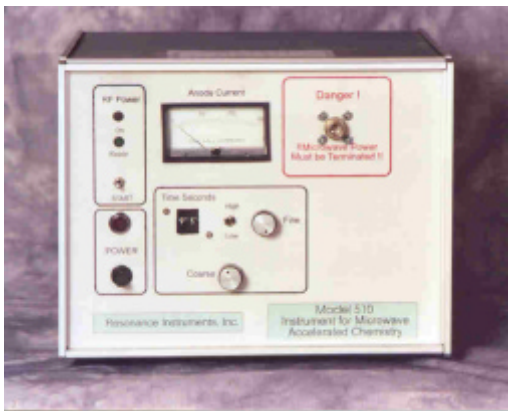
RESONANCE INSTRUMENTS INCORPORATED

Model 510
Instrument for Microwave Chemistry

SPECIALISTS IN INSTRUMENTS FOR MICROWAVE ACCELERATED CHEMISTRY



The Model 510 is the economical choice for Microwave Chemistry. It is designed to accelerate microliter volume reactions in a variety of laboratory situations.

The compact reaction cavity can be located up to eight feet from the power unit for maximum flexibility.

Time and power are manually controlled through the front panel. Time is controlled by decimal thumb wheels and power by a combination of switches and linear controls. A remote start switch is an available option.

The 510 could not be easier to use, consisting of a control unit, a reaction cavity, and a flexible interconnecting cable.

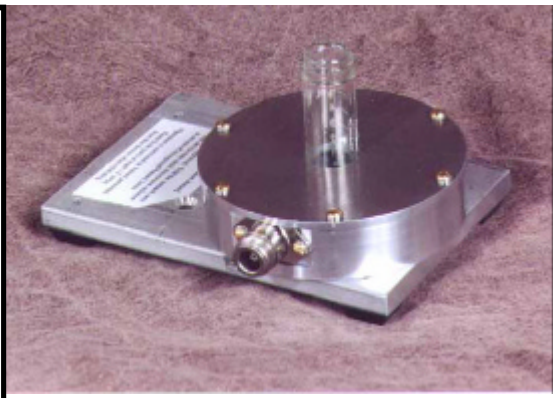
This configuration allows the operator to separately position the controls away from the sample chamber. When reagents are radio-labeled compounds, safety dictates shielding precautions should be used. Typically this means placing the sample cavity away from the operator in a hood, behind lead bricks, etc.

The 510 includes thumb wheels for time control and a range switch with fine control to set the power level. Power may be set from 10 to 150 watts and time from 1 to 99 seconds. An eight foot cable connects the reaction cavity to the generator.

The heart of the model 520A is its novel reaction cavity. The reaction rests in a position carefully optimized with respect to the cavity's electric field. As a result substantially lower power is required to heat or distill microliter-volume reagents.

Specifications:

- **Size - 8"w x 7-1/2"h x 17"d**
- **Weight - 45 lbs**
- **Power requirements - 118 VAC at 8 amps**
- **Reaction Cavity - single mode TE cavity**
- **Interconnecting Cable 8' standard**
- **Front panel control of time and power.**
- **Analog meter displays magnetron cathode current**
- **Power from 10 to 200 Watts**



Reaction Cavity with Reaction Vial

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