



The Model 520B Instrument for microwave chemistry was developed to accelerate micro-liter volume reactions in a variety of laboratory situation.

We have upgraded the power control system to better stabilize the unit against power line variations.

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

LabView compatible-Time and power may be remotely controlled through an RS232 serial connection.

The 520B 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 520B includes a keyboard for time and power control and an LCD display for observing time countdown and load mismatch. Power may be set from 20 to 130 watts and time from 1 to 600 seconds. An eight foot cable connects the reaction cavity to the generator.

The heart of the model 520B 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 micro-liter-volume reagents.

Specifications:

- Improved Power Stabilization
- Power Output Variable from about 20 to 130 watts.
- Size - 12''w x 7-1/2''h x 17''d
- Weight - 35 lbs
- Power requirements - 118 VAC at 8 amps.
- Reaction Cavity - single mode TE cavity
- Interconnecting Cable 8' standard
- Front panel keyboard or remote PC control of time and power.



Reaction Cavity with Reaction Vial