

target board, said rate being generally increased when the temperature of said temperature sensing means rises, and said rate being generally decreased when the temperature of said temperature sensing means falls.

- 2. The apparatus recited by claim 1 wherein said fan is a squirrel cage blower powered by said electrical motor.
- 3. The apparatus recited by claim 1 wherein said air circulation means includes an air tunnel coupled to said target board, said air tunnel having an outlet extending coextensive with said target board for circulating ambient air over said target board.
- 4. The apparatus recited by claim 1 wherein said control means includes adjustment means for allowing a user to set a nominal target sample temperature.
- 5. The apparatus recited by claim 1 further including a manually operated bypass switch allowing a user to selectively bypass said control means for permitting the uncontrolled application of electrical power to said electrical motor.
- 6. The apparatus recited by claim 1 further including a time delay circuit for permitting the uncontrolled application of electrical power to said electrical motor for a predetermined initial time period in order to start the fan turning during initial startup of the apparatus.
- 7. An apparatus as recited by claim 1 including temperature indicator means for indicating to the user the

actual temperature of said target board during operation of said apparatus.

- 8. The apparatus recited by claim 1, including:
 - a. shield means moveable between an inactive position which permits concentrated solar radiation to reach said at least one test sample, and a shielding position covering said target board from said concentrated solar radiation;
 - b. latch means for selectively retaining said shield means in said inactive position;
 - c. said control means including output control means for generating an electrical signal when said target board temperature exceeds a predetermined set point temperature; and
 - d. said latch means being responsive to the electrical signal provided by said output control means for permitting said shielding means to move toward its covering position in order to shield said target board from said concentrated solar radiation.
- 9. The apparatus recited in claim 1 wherein said temperature sensing means comprises at least one temperature sensor secured in heat conductive relationship to a panel mounted to said target board.
- 10. The apparatus recited by claim 9 wherein said temperature sensing means further includes a black coating overlying said temperature sensor and said panel for absorbing solar radiation impinging thereon.

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