

Gardco Gel Timer Standard Instruction

Gel Timer Recorder Measures and Records Gel Timing of all types of Resins, Adhesives and More

Gel time is the time it takes a mixed resin system to gel or become so high in viscosity that it can no longer be considered workable or able to be handled without impeding the curing process. The Gardco GT is a device for determining the gel time of resinous plastics, adhesives, drying oils and two component elastomers and paints at ambient or shop temperatures.

The Gardco GT consists of a wire stirrer hooked onto a stepper motor and placed in paper cup that holds the sample. The motor will spin the stirrer in the sample until the point at which the sample begins to become stringy or gel-like, at which the motor will stop spinning and the Display will show the Gel Time.

Ensure to conduct all Gel Timing tests in a well-ventilated area as some epoxy and resin fumes may be toxic during the mixing & curing processes. Use proper protective equipment if prolonged contact is needed around hazardous material.



Operating Controls Gardner GT

Power Switch

The power switch is located on the back of the instrument and turns the unit on and off.

Run Button

To begin measuring your sample press the Run button. When pressed, the timer will reset, the stirrer will begin spinning. Pressing the Run button again will reset the timer and begin a new test. If the Run button is pressed during a measurement this will stop the test and the unit will stop spinning and the timer will reset.

Stop Button

To stop your measurement at any time, press the Stop button. When pressed, the unit will stop spinning and the timer will reset.

Instructions for Use

1. Secure one paper sample cup into the gel timer pot. Press down in the O-ring to secure it in place.
2. Pour 3 fluid ounces of your sample into the paper cup.
3. Slowly place a wire stirrer down into your sample and hook it through the hole on the head of the gel timer.
4. Press the run button and the timer will begin counting.
5. When the sample has reached the torque threshold indicating the gel has hardened, the light will begin flashing green and the timer will have stopped. The time shown on the instrument is the gel time of the sample, note the gel time.
6. Remove the stirrer, sample & aluminum cup for the pot of the gel timer. Ensure to discard these in the proper waste area.
7. Be sure to clean any sample that may have spilled onto the unit. The unit is now ready for another test.

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