

Non-Newtonian fluid behavior can result in the measured viscosity changing if the spindle and/or speed is changed. See our publication, "More Solutions to Sticky Problems," for more detail.

Turn on motor.

Allow time for the indicated reading to stabilize. The time required for stabilization will depend on the speed at which the Viscometer is running and the characteristics of the sample fluid. For maximum accuracy, readings below 10% should be avoided.

Record values.

4. Press the MOTOR ON/OFF/ESCAPE key and turn the motor "OFF" when changing a spindle or changing samples. Remove spindle before cleaning.
5. Interpretation of results and the instrument's use with non-Newtonian and thixotropic materials is discussed in the booklet, *"More Solutions to Sticky Problems"*, and in Appendix C, Variables in Viscosity Measurements.

II.10 Time Modes for Viscosity Measurement

The **Time Modes** allow the viscometer user to implement the unattended Time to Stop and Time to Torque capabilities of the DV-II+ Viscometer. These features will allow the user to set up the viscometer (i.e. select spindle and speed) and then record readings for a fixed period of time (Time to Stop) or until a set torque value is attained (Time to Torque). When timing begins, a message will be displayed showing time remaining (or time elapsed) and the appropriate display item (viscosity or torque) will be updated continuously during the event. Upon completion, the viscometer will stop and display a screen stating that the test is complete and will also display the final recorded value for the viscosity in the first case, or the time in minutes and seconds to reach the torque limit in the second case. Pressing the UP or DOWN ARROW keys will allow additional viscometer data to be examined. Pressing any other key (except the PRINT or ENTER/AUTORANGE key) will bring the user back to the default (normal) viscometer display with the motor OFF. Refer to the Time Modes in Section III.3.