Operation Procedure
For Buehler Macromet 3100 Hardness Tester

- Turn ON the power
- Decide which hardness scale is appropriate, then select the proper indenter and place it on the tester (fix it by screw)
- Select the proper test force with the load selector knob (on the right-hand side) according to the form on the panel
- Adjust the indenter condition. Select Main Menu, followed by Utility and then Measurement Condition screens. Do not forget to press the ENTER
- Place your test piece on the anvil, press RESET to return zero
- Bring the test piece into contact with the indenter, apply the preliminary force, SET point will be reach on the screen
- Do not apply too much force, or OVER light will be on. If OVER light appear, start the test on a new position
- After the preliminary test force is applied, the machine will load the force on the test piece. If you are in Manual Mode, you will have to press the START button
- The result is displayed on the screen
- Press RESET each time before your tests
- Turn OFF the power after your work done

For more details, please check the Test Precaution, the Detailed Test Procedure and the Manual.