

How to use GLX for Lab #6

1. Plug the photogate sensors into digital sensor relay.
2. Plug the digital sensor relay in the GLX and turn it on.
3. Select “9” for the “Photogate Sensors.”
4. Select Flag Length.
5. Press the check button and input the diameter of the ball measured with a caliper.
6. Press the check button again to lock the measurement in.
7. Scroll to “Photogate Spacing.”
8. Press the check button and input the distance between the centers of the photogate lasers.
9. Press the check button to lock the measurement in.*
10. Make “Time in Gate,” “Velocity in Gate,” and “Time Between Gates” not visible.
11. Make only “Velocity Between Gates” visible.
12. Press the home button.
13. Scroll to “Digits” option and select it.
14. Press the play button to clear the current measurements and start a new measurement.

*If you need to change these measurements, you will have to turn off the GLX and start from scratch.