

Testing titrators

- Plug in box.
- Connect it to laptop.
- Open software.
- Plug in burette.
- Turn box on – firmware version should be displayed.
- Do a visual inspection.
- In program on configuration tab, connect.
- Turn on stepper motor (on box).
 - Make sure it is zeroed.
- Test:
 - Fill (on titrator box).
 - Rest and save (on software).
 - Titrate.
 - Plug in resistor to detector plug ins – box is pushing a current through and the resistor is blocking a certain amount of current.
 - Start with highest resistance (1M – 1K amp).
 - 100 and 10 resistance measures around 505 because the titrator box can only measure up to 505 amps.
 - In program, press sample.
 - Run same resistance a few times in a row: should read same amperage for same level of resistance (or very similar).
 - Try to run all resistances in one sample run but sometimes it only likes to do a few before it freezes.
- Run a junk sample and standards to ensure burette and titrator are working properly.
- Disconnect.
- Unplug everything.