

# Installing ProCoDA Software

In order to use ProCoDA software you need to install 4 components. ProCoDA is currently a 32 bit application.

1. [LabVIEW Run time engine 2015](#)
2. [National Instruments Data Acquisition 15.1.1](#) for acquiring voltage data from sensors
3. [National Instruments VISA](#) (for serial communication with instruments)
4. [ProCoDA zipped installer](#)

The first 3 items only need to be installed on your computer once. If there are updates to ProCoDA, all you need to do is reinstall the 4th item.

## Update Log

Date	update
8/19 /2016	added zeroing capability to Dissolved Oxygen calibrator (allows the use of Vernier DO probes).
9/1 /2016	fixed peristaltic pump code that hadn't been compiled to version 2015
9/2 /2016	fixed PID code that hadn't been compiled to version 2015
9/8 /2016	Fixed HF scientific code so it loads correctly (deleted clear error VI that wasn't included in the compiled code) Also learned not to run the source ProCoDA with external code connected unless the external code is the source code. Otherwise the project will switch to the installed code rather than the source code when it builds the next install.
9/16 /2016	Added auto zero for volt offset and physical offset for photometer.
9/23 /2016	removed rule and sensor configure file types, disabled zero and set options for photometer, eliminated bogus sensor input for setpoint controlled PID.
10/28 /2016	revised directions for calibration of peristaltic pumps, fixed gran plot error that caused dialog box to lock up.
11/22 /2016	send time in current state to external code
11/30 /2016	added shared variables to state exit logic so that variables would have the correct index values.
12/3 /2016	added temperature/depth control based on water temperature target
1/30 /2017	added new external code for PID water depth/temperature control