

# QUICK START GUIDE: Geosub 2 Sampling Pump & Controller

This guide is meant to serve as a quick reference for operating the Geosub 2 Sampling Pump & Controller. It is for your convenience and is not intended to replace the information found in the Operations Manual provided. The Geosub 2 Sampling Pump requires 10x12mm Ø PE Tubing (product code 12.20.13)



Setting up & using Geosub 2 Pump



Basic operation



## Basic Operation

- Plug power cord into controller.
- Plug power cord into AC. Supply outlet.
- Wait for initialization sequence to complete
- From main menu:
- Press to start the pump at default settings.
- Wait for pump start up to finish
- Press or to adjust pump speed to achieve desired flow rate
- Pump water at desired pump speed.
- Press to stop pump and return to main menu.

```
RT=START  #nn
U=SETUP   D=WELL
```

```
STARTING  #nn
PLEASE WAIT
```

```
PUMPING WELL #nn
nnn DR ON    nn
```

```
PUMPING WELL #nn
nnn DR ON    nn
```

## Setting Dry Run

NOTE: Set point must be above 100 for Dry Run protection to be activated.

- Press to toggle Dry Run ON and OFF.
- Hold down the button for 3 seconds to enter the dry run reset time change menu and well save menu
- Press or button to change reset from dry run timer between 0 and 60 minutes.

NOTE: Loading Well #0 will load default start up configuration.



## Disassembly & Cleaning

NOTE: Dismantle the pump after every use and leave it to dry, when reassembling, the O-rings need to be greased with Krytox.

- Disconnect pump cable from controller.
- Unscrew outer housing (No tools needed).
- Remove inner housing by pulling apart, slightly twisting while pulling may help.
- The control module may become disconnected from the motor lead while pulling apart, this is normal
- Remove motor assembly from inner housing by pulling apart, slightly twisting while pulling may help
- Inspect motor assembly, impeller, and control module for damage or wear
- Inspect internal wires for cuts or breaks, making sure wires have insulation covering them.
- Inspect all O-rings for nicks, cuts, brittleness.
- Decontaminate outer and inner housing.
- Decontaminate the motor assembly and control module.
- Decontaminate top cap and hose barb.
- Clean all threads thoroughly to make sure nothing will bind them.
- Insert motor assembly back into inner housing, be careful not to damage O-rings.
- Connect control module wires back onto motor lead.