

## Geosub 2 Pump & Controller

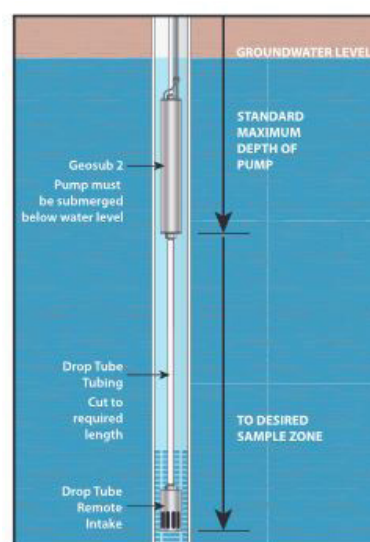
This stainless steel sampling pump is one of the most versatile single stage DC pump available. Designed with all stainless steel components, the Geosub 2 allows you to sample with confidence even in the harshest well conditions. The Geosub 2 operates with the Geotech Geosub 2 Controller.

### FEATURES

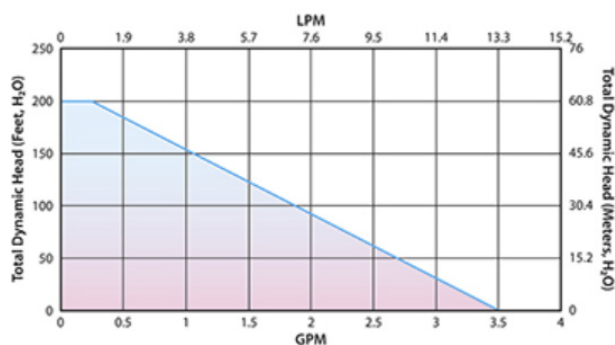
- One of the most versatile pumps available
- Sample from depths to 60 m
- Low flow sampling rates to 10 mL/min
- User enabled dry-run protection
- Easy to decontaminate
- Optional Drop Tube Assembly for greater depth
- System CE Certification.

### SPECIFICATIONS: Pump

<b>Electric:</b>	
Full Load rating	2/3 HP
Maximum Amp Draw	10 amps DC
Overload	Incorporated into Geosub2 Controller
<b>Discharge Port Connection:</b>	1/4" female NPT (includes 3/8" bard)
<b>Operating Conditions:</b>	
Min. Ambient Fluid Temperature	1°C
Max. Ambient Fluid Temperature	80°C
<b>Wetted Parts:</b>	316 Stainless Steel, PEEK, HDPE
<b>Dimensions &amp; Weight (Pump &amp; Motor):</b>	
Dimensions of Pump	34 cm L x 4.5 cm OD
Net Weight of Pump w/o Lead	1.8 kg
<b>Cable</b>	
<b>Material:</b>	2 x 12 gauge conductors with HDPE jacket & integrated safety cable
<b>Weight with Geo Reel &amp; Safety Cable:</b>	
30.5 m of 12 AWG & Safety Cable	8.3 kg
45 m of 12 AWG & Safety Cable	9.8 kg
60 m of 12 AWG & Safety Cable	11.3 kg



Optional  
Geosub 2  
Drop Tube  
Installation



Flow Chart

## Geosub 2 Pump Controller

The Geosub 2 Controller is designed specifically for use with Geotech's Geosub 2 Pump. It provides a safe conditioned variable DC output power from an AC power source. Built-in sensing gives the operator accurate and precise control over the pump during sampling events. An average 1000 Watt gasoline powered generator with 1 gallon of gasoline can operate the SS Geosub Controller and Geotech's sampling pump at full power for up to 18 hours continuously (generally much longer runtimes can be expected as the controller is used to reduce water flow for low flow sampling).

### FEATURES

- Converts AC Voltage to variable up to 300 watt DC voltage output
- Short circuit protection for your safety
- Heavy duty rated power cable for years of service
- 2-line x 16-character wide temperature range alpha-numeric digital display
- Push button Up/Down control
- Internal processor saves individual well parameters
- Optional DC to AC Inverter can be connected to a vehicle battery.

### OPERATION

An easy-to-use programmable user interface with bright display offers precise control of flow rates during groundwater sampling events. Site specific settings and conditions can easily be stored and recalled for more efficient repeatable sampling events.

Rugged construction and easy to connect cables make setup and portability a breeze. In addition, the controller includes a user programmable dry run protection feature.



### SPECIFICATIONS

Input Power Range	100 - 130 Volts AC
	50/60 HZ 310 Watts
	4.2 amps nominal full load 115 Volts AC
	200-250 Volts AC
	50/60 HZ 310 Watts
	2.1 aamps nominal full load 230 Volts AC
Output Power	Variable 0-46V DC @<300 Watts
Output Power @Max. Voltage	10 amps maximum
Operating Temp	-29°C to 38°C ambient air temp.
Humidity	Up to 90% humidity
Weight of Unit	7.46 kg
Size of Unit	41 cm L x 33 cm W x 18 cm H
Input Protection	5A CB