

The Geotech Auto Sampler automatically collects numerous individual discrete samples taken at regular intervals over a period of time. The flow-weighted sample collected is representative of an average concentration of any substance being analyzed. Designed for portable or dedicated applications, the Geotech Auto Sampler is effective in outfall, in-stream, manhole, and open-fluid sample point applications.

#### APPLICATIONS

- Community/targeted SARS-CoV-2 (COVID-19) early detection
- Wastewater effluent
- Industrial pre-treatment
- Permit compliance
- 24 hour composite sampling

#### SYSTEM KIT INCLUDES

- Round 15.8" (40cm) diam. Enclosure
- Auto Sampler Pump and Controller
- easy-load II® Pump Head
- Sample Bottle Float Switch
- Rechargeable Batteries x 2 and Charger x 1
- Pump Tube x 5'
- Suction Tube x 100'
- 2.6 Gallon LDPE Sample Bottles x 2
- Stainless Steel Suction Intake
- DC Power Cord, with AMP & Clips

#### OPTIONAL

- Suspension Harness
- AC Power Converter
- Wet Kit – 100' Suction Hose, 5' Silicone, SS Intake



**CALL GEOTECH TODAY (800) 833-7958**

#### Geotech Environmental Equipment, Inc.

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#### SPECIFICATIONS

##### System

<b>Size (Diam. x Ht.):</b>	15.81 x 23.25 inches (40 x 59 cm)
<b>Weight:</b>	Dry Weight – 24 lbs. (12 kg) Wet Weight – 49 lbs. (22 kg)
<b>Sample Bottle:</b>	2.6 Gallon HDPE Bottle
<b>Sample Cooling:</b>	Reusable Ice Packs (not included)
<b>Pump Tubing:</b>	.25" (6.4mm) ID Standard .375" (9.5mm) ID Max Flow
<b>Suction Tubing:</b>	.25" x .375" (6 x 10mm) Standard .375" x .5" (10 x 13mm) Max Flow
<b>Intake Strainer:</b>	.85" OD Stainless Steel Intake
<b>Pump &amp; Controller</b>	
<b>Power Requirements:</b>	12V DC <sup>2</sup>
<b>Principle of Pump Operation:</b>	Peristaltic Pump
<b>Fluid Delivery Rate:</b>	1800 ml/min Standard – 3400 ml/min Max Flow
<b>Maximum Lift:</b>	29 ft. (8.8 m) Standard at sea level <sup>4</sup> 27 ft. (8.3 m) Max Flow at sea level <sup>4</sup>
<b>Onboard Battery:</b>	9 Ah Lead-Acid <sup>3</sup>
<b>Battery Life:</b>	1 hour continuous operation
<b>Sample Mode:</b>	Linear
<b>Intake Purge:</b>	Auto backflush cycle
<b>Start Delay:</b>	0-12 hours <sup>5</sup>
<b>Sample Time:</b>	0-15 minutes <sup>5</sup> (0-30 seconds and 1 min. – Full)
<b>Sample Interval:</b>	0-12 hours <sup>5</sup> (0-60 minutes and 2-12 hours)
<b>Sample Size:</b>	50 ml – 10+ liters
<b>Overflow Protection:</b>	Shut-Off input float switch
<b>System Status:</b>	LED indicator
<b>Operational Temp:</b>	32°-120°F (10°-49°C)



Sample Bottle Float Switch

<sup>2</sup> 12V DC input power required. Optional AC converter allows for continuous operation with reliable 115V AC power source.

<sup>3</sup> System kit includes two batteries. System requires only one battery for operation. Geotech recommends swapping batteries each time sample bottle is replaced.

<sup>4</sup> Ft. elevation x 0.0005 x 2.31 – Suction lift H<sub>2</sub>O ft. at sea level = ft. actual H<sub>2</sub>O suction lift.

<sup>5</sup> Start delay, sample time, and sample intervals can be programmed for custom interval(s) at time of order.

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