



Environmental Sampling and Monitoring on the Go

EnviroGo



Applications

Discharge Monitoring

Safely and efficiently sample from multiple discharge points at various locations.

Stream Surveys

Conduct field measurements such as pH, dissolved oxygen, temperature, turbidity, conductivity and flow in remote locations over long periods of time.

Agricultural Run-off Investigation

Assess the effectiveness of farm management practices by monitoring phosphorus and nitrogen run-off.

Wastewater Collections System Sampling

Perfect solution for pretreatment coordinators gathering samples at various industrial discharge locations.

Activated Sludge Monitoring

Equip your trailer with the latest respirometry instrumentation, so you can trouble shoot the activated sludge process, determine the treatability of wastewater including toxicity and biodegradability, and calculate Specific Oxygen Uptake Rates.

Stormwater Sampling and Weather Monitoring

Quickly mobilize to collect stormwater samples at multiple outfalls. Weather monitoring stations record rainfall and weather patterns at the actual sampling site.

Wastewater Process Control Monitoring

Collect data that is representative of accurate loadings to make informed process control decisions.

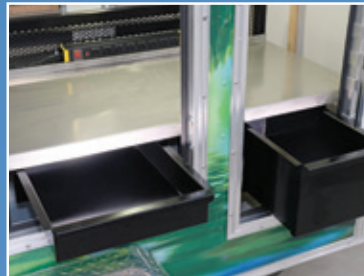
Storage and Cabinetry

Perforated Powder Coated Steel Wall Mounting System and Custom Cabinetry

The powder-coated steel wall and custom cabinetry is available in black or gray. The custom cabinetry features a stainless-steel top to facilitate cleaning and sterilization for biological operations.

The wall provides secure mounting for the optional Aquamatic composite or discrete sampler, Mace data logger, flow monitoring system, and the standard, stainless-steel sink and soap dispenser.

The drawers in the cabinetry are custom sized to match door openings for convenient access to your test equipment.



Our facility was implementing a new treatment technology and the equipment installation was causing interruptions in power that were interfering with our compliance sampling. In searching for a solution, Alloway introduced us to EnviroGo.

With the EnviroGo trailer, our team had a reliable source for composite sampling and refrigerating samples. EnviroGo's battery system gave us peace of mind that our samples were going to be consistently collected so we could maintain compliance with the Great Lakes Water Authority in Michigan. With the unit's compact size, we were able to position the trailer right next to the sampling location and lock the doors on the unit to maintain sample integrity. The EnviroGo trailer is now an integral part of our routine sampling.

David Weber, EMS Manager, Valicor
Environmental Services



Power Options - Electrical System

Go Anywhere - Conduct sampling and monitoring over extended periods of time in remote locations.

Standard

The unit comes standard with an all-weather shore power system and a Yeti Goal Zero 500 lithium battery that provides 12V and 110V when shore power is not available. Use the battery to power lights, water pump, field testing equipment, and maintain the charge in composite sampling and flow monitoring equipment's internal batteries. The battery is equipped with a battery management system that prevents overcharging or damage due to low battery state. A built-in inverter provides 110V to power additional field equipment such as alternative lighting and power tools. Outputs include (2X) 2.4A USB A port; 60W USB-C Port (input and output); 18W USB-C Port; 6mm Port; 12V Car Port; 120V AC Inverter (300W, 1200W Surge).

Options

There are multiple battery options available to increase electrical capacity. A Yeti 1500, Yeti 3000, or a Yeti 6000 is available. A technical data sheet is available for these options.

A cost-effective way to increase capacity is to add AGM batteries to the system. The supplemental batteries can be added to any Yeti 3000 or above. The expansion module allows you to chain a Yeti Tank Expansion Battery to the Lithium Portable Power Station to increase your energy storage capacity.



A MERLIN 165-watt solar panel or a Yeti boulder 2 panel solar system can be added to increase capacity in the field by charging your Yeti Portable Power Station. It includes a MERLIN Optimized Charge Controller for low-light and extreme weather conditions. Many options are available with the MERLIN that include live data tracking with GPS location.

A Yeti Boulder Suitcase Portable solar panel system is also available to increase capacity in the field by charging your Yeti Portable Power Station. This option provides 100-watt charging.



Pressurized Water System

Standard

The pressurized water system features a 16-gallon water tank with an outside fill portal. The water system is pressurized by a 12V RV-type water pump that runs off the on-board battery, allowing water use when off the grid. There is a standard stainless-steel sink with a waste reservoir and a soap dispenser. There is also an outside spigot to rinse shovels and other types of field equipment.

Options

When the trailer is in a cold environment whereby the onboard water might freeze, we can offer a RV type heating pad beneath the water tank. The pad has a built-in thermostat that turns the unit on whenever the temperature gets below 45 degrees F. The pad operates off 12V and when on, draws about 65 watts.

The Homestead Platform

The Homestead Trailer is a high-quality trailer completely factory insulated. The vinyl walls and ceiling allow for easy cleaning as the entire unit is fully washable and ready for field use. The floor is exterior grade plywood and covered with vinyl tile. A tongue arm is included as are wheel chocks and stabilizers. The base trailer weight is 600 pounds with a load capacity of 1400 pounds. The trailer weight is 1080 lbs with all components.

Standard

4 Side Access Doors, Rear Door, and 1 Shore Power Hatch

4 side access doors (2-20"x30" and 2-15"x36") provide access to all of your sampling and field-testing equipment. The rear full-size door provides access to the equipment mounting wall, ICECO sample cooler and hand wash sink. The shore power hatch door provides convenient and secure access from which to connect the unit to 110V shore power.





Lighting System

Standard

The lighting package takes care of your interior and exterior lighting needs. Interior lighting is provided by two overhead lights, plus a third interior light is available when the trailer is connected to a vehicle. The unit is equipped with four side mounted outdoor work lights and four front and rear emergency flashers. The lighting package is all set for off-the-grid use and is powered by the on-board Yeti battery system.

Sampling and Field Equipment



Aquamatic Composite and Discreet Samplers – These wall mountable models offer simple operation, combined with rugged construction and excellent reliability. The samplers have a main power connection and an integral 12 VCD battery. The units come with 30 feet of sampling hose, battery charger and weighted strainer.



Flow Monitoring and Data Collection – The FloPro XCI from Mace provides for measurement of velocity, flow, depth, and use of a multi-parameter water quality sonde. The unit is a smart package monitoring solution that provides remote data access with alerts and alarms. It is telemetry-ready for effective, low-cost control and rapid response.



Surcis Field Respirometer - Surcis BM respirometers are compact, simple, and user friendly, with very low maintenance. Each unit is equipped with powerful software that measures key parameters on the actual wastewater treatment process, enabling operators to better evaluate factors such as nutrients, biomass, pH, temperature, retention time, and dissolved oxygen to see the overall impact on the plant's microbiological growth.



ICECO – This 47.6 quart cooler can be used with ice, shore power, or 12V battery power to maintain your samples' thermal preservation for regulatory compliance. The control panel allows for temperature adjustment and records maximum and minimum temperature during sampling events.



Weather Station – This is an important feature for stormwater projects. Weather data can be accessed remotely.

Equipment Package – The equipment package includes securely mounted sledge hammer, pick-axe and shovel for field use.

Safety Package – The safety package includes fire extinguisher, first aid kit and roadside flares.

Ask Us About Other Equipment Options –

- Data loggers
- Spectrophotometers
- Field Meters
- Peristaltic Pumps
- Space Heater
- Hot Spot



Certified Veteran-Owned Small Business



EnviroGo

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