

Xitech's Air Samplers



Model 1060, 1-or 2-Liter Bag Sampler

For quick, clean sample collections of environmental soil vapors, indoor and outdoor ambient air, and ambient VOC's, the **Model 1060, 1- or 2-Liter Bag Sampler** provides excellent sample integrity. The sampled gas flows directly into the bag's inlet without passing through the vacuum pump. The vacuum pump can introduce contaminants to your sample. The pump removes air from the box thus creating a vacuum. Negative pressure inside the box causes air to enter the inlet and flow into a 1- or 2-liter bag. A flow rate of 100mL/min to 1900mL/min can be achieved with the vent needle valve which allows air to enter the box at a controlled rate.

Model 1060, 1- or 2-Liter Bag Sampler Accepts 1- or 2-liter sampling bags See-through window Rechargeable battery Installed needle valve for coarse fill rate control Sample inlet: accepts any 1/4" OD tubing Direct vacuum force: 162" of H₂O Continuous running time: 8 hours Vacuum pump filling rate: 100-1900mL/min Carrying strap and operation manual Size: 6 inches high x 8 inches deep x 9.3 inches long Weight: 5 pounds

Optional Parts:

115VAC charger: #441

115/230VAC universal charger: #448

Model 1060H, 1-or 2-Liter High Vac Bag Sampler

For quick, clean sample collections of low ambient air and high vacuum VOC's vapor collection, the **Model 1060H, 1- or 2-Liter High Vac Bag Sampler** can easily collect an air sample from an air stream under vacuum up to 22" of mercury vacuum from high vac dual phase extraction systems. This sampler fills the sample bag the same way as the Model 1060 but has a much stronger vacuum pump and battery.



Model 1060, 1- or 2-Liter Bag Sampler Accepts 1- or 2-liter sampling bags See-through window Rechargeable battery Installed needle valve for coarse fill rate control Sample inlet: accepts any 1/4" OD tubing Direct vacuum force: 162" of H₂O Continuous running time: 8 hours Vacuum pump filling rate: 100-1900mL/min Carrying strap and operation manual Size: 6 inches high x 8 inches deep x 9.3 inches long Weight: 5 pounds

Optional Parts:

115VAC charger: #443

115/230VAC universal charger: #448

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Model 1062, 10-Liter Bag Sampler

For fast sampling of refinery stack gases and vent gases with zero cross-contamination, the Model **1062, 10-Liter Bag Sampler** works on the same principles as the **Model 1060**; a vacuum created in the box draws air into the sampling bag without drawing it through the vacuum pump first, thereby preventing contamination of the sample. In addition, this bag sampler can fill a 10-liter bag in two minutes. The automatic shut-off switch stops the sample bag from overfilling. A filling rate of 1-5L/min can be achieved with the vent rotometer valve.



Model 1062, 10-Liter Bag Sampler Accepts up to 10-liter sampling bags See-through window Rechargeable battery Installed rotometer valve for coarse fill rate control Sample inlet: accepts any 1/4" OD tubing Direct vacuum force: 27" of H2O Continuous running time: 8 hours Vacuum pump filling rate: 1-5L/min Automatic shut-off for 10L sample bags Operation manual Size: 9 inches high x 14.6 inches deep x 21.7 inches long Weight: 17 pounds

Optional Parts:

115VAC charger: #443

115/230VAC universal charger: #448

Model 1063, 6-Port Sampler

The **Model 1063 Six-Port Sampler** accommodates six 1-liter bags and can be programmed to draw samples sequentially. This instrument can accept air sampling tubes of up to 15cm in length. The vacuum filling rate of 1-5L/min, achieved via a needle valve controller, can be lowered to deliver precise low-flow sampling rates of 1.0, 10 and 25mL/min using optional critical orifices which install directly into the six sampler inlets. Programmable controller has a battery-backed memory.



Model 1063, 6-Port Sampler Accepts six 1-liter sampling bags Rechargeable battery Installed needle valve for coarse fill rate control Sample inlet: accepts any 1/4" OD tubing Continuous running time: 8 hours Vacuum pump filling rate: 1-5L/min Vacuum pump filling rate with optional critical orifice: 1.0, 10 and 25mL.min Operation manual Size: 9 inches high x 14.6 inches deep x 21.7 inches long Weight: 27 pounds

Optional Parts:

115VAC charger: #443

115/230VAC universal charger: #448

Xitech's Four Channel Ambient Air Tube Sampler Model 2012

The **Model 2012 Air Sampler** is a great alternative to canister sampling which can be costly and inconvenient. This four-channel ambient air sampler provides the environmental scientist and industrial hygienist easy EPA Compendium Method TO-17 (Determination of VOCs in Ambient Air Using Active Sampling onto Sorbent Tubes) sampling, IAQ, ambient air monitoring, odor compliant source determinations, evaluating hazardous waste sites or fence line monitoring. **The Model 2012 Air Sampler** is compact, waterproof, portable, has precision constant flow control (Porter® needle valves), and has an easily programmable computer. It has four custom sample tube holders that protect the sample tubes by 75% of the tube being inside the sampler. The sample tube holder accepts 1/4 inch diameter tubes, 6mm diameter tubes, and 10mm diameter tubes with 6mm ends. **The 2012 Sampler** provides high flow rates and high back pressure for short-term sampling. The flow range is from 5-500ml/min. @ 162 in/H₂O vacuum. The Porter® flow valves provide remarkable accuracy, very stable flow over long periods of sampling, and easy precise flow setting. The **Model 2012** software provides individual programmable start date, start time, and sampling duration for all four channels. This software enables the user to perform individual sampling, sequential sampling, and parallel sampling for up to 12 hours (with booster battery). Continuous sampling of all 4 sampling channels simultaneously is possible. The sampler has 6 power choices: single 5 AmpHr battery, 5 AmpHr + 1.2 AmpHr booster battery, single 9 AmpHr battery, 9 AmpHr + 1.2 AmpHr booster battery, external battery charger, or external battery. The 2012 comes standard with a 5 AmpHr rechargeable AGM (Advanced Glass Mat) valve regulated sealed lead acid battery. Our battery charger also included provides less than 8 hours of recharge time, operates the sampler continuously, and has a charging indicator. Software displays low battery condition for the main battery and for the back-up memory battery. The external power port makes this sampler easy to recharge when in a vertical stack.

Model 2012 Features and Specifications

Suitable for U.S.E.P.A. TO-17 sampling, 4 independently controlled sample channels, 4 precision constant flow Porter® needle valves, Accepts 1/4", 6mm, or 10mm diameter tubes, Accommodates up to 150mm tube lengths, Independent flow rates from 5 to 500 ml/min, Controller displays: elapsed run time, sampling status for all 4 channels and low battery condition, Maximum vacuum: 162 in/H₂O, Easy push-in connection for sample tubes, Waterproof lockable enclosure, Low battery monitoring and protection, Battery charging indication and monitoring, 5 AmpHr battery, Internal booster battery cable, Dimensions: 14.1" x 10.6" x 6.1", Weight: 14 lbs



Optional Parts:

- Single 750ma battery charger (USA only)
- Single 1.25A battery charger (USA & int)
- 4 channel battery charger (USA & int)
- 6 ft long external booster battery cable
- 1.2 AmpHr booster battery
- 9AmpHr battery

Order No: 2012

