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**Operation Instructions
for
Model 1062
10 liter Bag Sampler
Rev 6-08**

**CAUTION:
Read rules for safe operation carefully.**

Dedicated to Developing State of the Art Environmental Equipment

Model 1062 10 Liter Bag Sampler

This active vacuum chamber-based sampler can fill a 10-liter sample bag **without** the sample gas going through a vacuum pump. This sampler can be used in most ambient air sampling applications(hot stack gas sampling may damage the sampler housing). Powered by a rechargeable battery, the bag sampler fills a 10-liter bag by applying a vacuum to the outside of the sample bag. The automatic shut-off switch prevents the sample bag from over-filling. The external power switch and flowmeter give the operator direct control of the filling rate of the bag. The external battery recharging port enables the sampler to be operated continuously using the battery charger. The quick exhaust valve allows for fast removal of the sampling bag. The sampler also includes a large observation window to confirm filling rates and keep an eye on smaller sample bags that can not trip the automatic shutoff switch located in the lid of the sampler. A special vacuum limiting valve has also been included in this sampler to prevent the vacuum pump from damaging the housing of the sampler. This sampler was designed for rugged outdoor use.

Features and Specifications

- 1-10 liter bag capacity
- Maximum vacuum filling rate: 6.0L/min.
- Maximum vacuum: 2 inches of mercury vacuum
- Zero pump contamination design
- Sample inlet: 1/4in. OD tubing
- Continuous running time: 8 hrs.
- Rechargeable battery
- Quick exhaust valve and observation window
- Dimensions: 9" x 14.6" x 21.7"
- Weight: 17 lbs.

Model 1062

Optional Equipment:

- | | |
|-----|------------------------------|
| 443 | 115VAC Charger |
| 444 | Battery |
| 448 | 115/230VAC Universal Charger |

RULES FOR SAFE OPERATION

1. Wear safety glasses when using this equipment.
2. Do not recharge battery in an explosive environment.
3. The vacuum pump automatic shut-off is effective **ONLY** on 10 liter size sample bags. Sampler will damage sample bags smaller than 10 Liters if left unattended.

Model 1062 10 Liter Air Sampler

CE COMPLIANCE: The Model 1062 bears the CE mark and is in compliance with the EMC Directive 89/336/EEC and its Standards EN 50081-1 and EN 50082-1.

Collection of a Gas Sample:

NOTE: This equipment creates a vacuum on the outside of the sample bag which causes the bag to fill with an outside source gas.

CAUTION: Sample bags smaller than 5 liters will not trip the automatic shutoff switch.

Procedure for filling a 10 liter sample bag:

Attach the sample bag to short 1/4"OD sample inlet tubing inside sampler.

Push open the sample bag inlet valve.

Secure inlet sample tubing by finger tightening the inlet tube fitting nut.

Close the lid.

Turn on the power switch.

Adjust the flowmeter to the desired fill rate.

NOTE: A slow flow rate could indicate the battery needs to be recharged or the makeup valve is open.

