

Model 1067 Dual Channel Ambient Air Sampler

Product Specification



E000019

The Supelco™ Model 1067 Ambient Air Sampler was developed specifically to meet the dual channel sampling requirements of US EPA Method TO-17, *Determination of VOCs in Ambient Air Using Active Sampling onto Sorbent Tubes*. Precision needle valves provide stable flow rates for two independently controlled flow channels for sorbent tube sampling, over a range of 5-500mL/min. Quick Connectors make sampling set-up fast and easy. These connectors accept 6mm OD or 1/4" OD solvent or thermal desorption tubes; other tube IDs can be accommodated by using the optional ORBO™ Tube Adapter Kit (described on the back of this specification sheet).

The rugged sampling pump weighs only 8 pounds. The built-in battery provides 12 hours of continuous sampling on each channel, with remarkable accuracy and precision. A universal 115/230VAC battery charger and a sample of our ORBO tubes are included. The Model 1067 and battery charger are CE approved. Additional useful accessories are available.

Features:

- Accepts any 1/4 inch OD or 6mm OD solvent desorption tube or thermal desorption tube
- Two independent sampling channels
- Flow range of 5-500mL/min per channel
- Built-in battery reliably provides 12 hours of continuous operation
- Porter needle valve flow controllers provide maximum precision and consistent reliability
- Entirely self-contained in a durable case
- Exclusive Quick-Connector tube fittings make sample set-up fast and easy
- Digital electronic sample timer
- Extremely quiet operation, allows you to sample indoors without disturbance
- Battery charger and samples of ORBO sorbent tubes included

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Contact our Technical Service Department
(phone 800-359-3041 or 814-359-3041, FAX 800-359-3044
or 814-359-5468) for expert answers to your questions.



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Specifications:

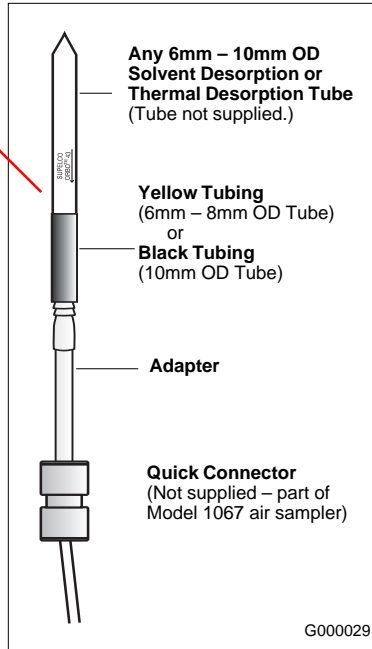
- Case:** Steel shell
- Weight:** 8 pounds (3.63kg)
- Dimensions:** 7" h x 9" w x 5" d (17.8 x 22.9 x 12.7cm)
- Pump:** 12V DC diaphragm-type
- Battery:** 12V DC 4amp/hr rechargeable lead/acid battery
12 hour run time with a fully charged battery*
Includes low battery indicator
- Battery Charger:** universal**
Input: 100-240VAC / 47-63hz
Output: 12V DC / 0.8amps
- Sample Run**
 - Timer:** seven programmable time ranges, countdown timer (displays amount of time yet to be sampled)
 - .1s: 0.1-99.9 seconds
 - S: 1-999 seconds
 - .1M: 0.1-99.9 minutes
 - M: 1-999 minutes
 - .1H: 0.1-99.9 hours
 - H: 1-999 hours
 - 10H: 10-9990 hours
- Flow Control:** 2 independent flow controlled channels, each with a precision 15 revolutions needle valve (average flow change of 40mL/min per turn)
- Flow Range:** 0-500mL/min at 0" water backpressure
Maximum flow rate at specific backpressures:
 - 10" water: 475mL/min
 - 25" water: 430mL/min
 - 50" water: 360mL/min
 - 75" water: 287mL/min
 - 100" water: 204mL/min
 - 125" water: 117mL/min
 - 150" water: 18.5mL/min
- Sampling Port Connections:** Exclusive Quick Connectors accept 6mm OD or 1/4" OD solvent desorption tubes or thermal desorption tubes

Ordering Information:

Description	Cat. No.
Model 1067 Dual Channel Ambient Air Sampler with battery charger	507113

Model 1067 is CE approved and is in compliance with EMC Directive 89/336/EEC and its standards EN 50081-1 and EN 50082-1.

Accessories



ORBO Tube Adapter Kit

Designed for use in conjunction with the Quick Connectors on the Model 1067 air sampler, this kit enables the sampler to accept a wide range of sampling tubes: ORBO solvent desorption tubes or CARBOTRAP™ thermal desorption tubes with an outside diameter of 6mm, 1/4 inch, 7mm, 8mm, or 10mm. Kit includes 2 adapters and 2 sizes of tubing.

Description	Cat. No.
ORBO Tube Adapter Kit	24698-U

Weather Cover

Provides limited protection to the sampler and sampling tubes during bad weather conditions.

Weather Cover for Model 1067 Air Sampler	24699-U
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Replacement Parts

Battery	24636
Universal Battery Charger	24697
Quick Connectors, pk. of 2	24695
Needle Valve #3	24700-U

* Sampler can be operated continuously with charger plugged into an AC source.

** Includes interchangeable plugs compatible with U.S.-Japan-Canada-Europe-UK. Approvals for charger: BABT, CE, CSA, DEMKO, FIMKO, KEMA, NEMKO, SEMKO, SEQEB, SEV, UL, VDE.

For more information, or current prices, contact your nearest Supelco subsidiary listed below. To obtain further contact information, visit our website (www.sigma-aldrich.com), see the Supelco catalog, or contact Supelco, Bellefonte, PA 16823-0048 USA.

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