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

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.
## 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 ¼” OD solvent desorption tubes or thermal desorption tubes  

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### Ordering Information:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
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<tbody>
<tr>
<td>Model 1067 Dual Channel Ambient Air Sampler with battery charger</td>
<td>507113</td>
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</tbody>
</table>

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 outer diameter of 6mm, ¼ inch, 7mm, 8mm, or 10mm. Kit includes 2 adapters and 2 sizes of tubing.

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ORBO Tube Adapter Kit</td>
<td>24698-U</td>
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</table>

### Weather Cover

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

| Weather Cover for Model 1067 Air Sampler | 24699-U |

### Replacement Parts

- Battery  
- Universal Battery Charger  
- Quick Connectors, pk. of 2  
- Needle Valve #3  
- Weather Cover  
- 12V DC / 0.8amps

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*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, SEK, SEGB, SEV, UL, VDE.

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