

AirCon-2 Area Collection System

A powerful 2-30 LPM constant flow sampler offering full portability and programmability

The AirCon-2 sampler is a high volume unit with an extended flow range, designed for collecting particulate in a given plant area. It is ideal for asbestos background and clearance sampling, following NIOSH, OSHA, or EPA methodology, and for ambient dust monitoring. The AirCon-2 System is available in a basic AC version or a programmable version that operates off either AC or battery power. It comes with an adjustable tripod mast and connecting hose to hold the filter cassette at the proper height and isolate the filter from the vibration of the unit. The cassette and filter media must be ordered separately. All Samplers are warranted for one full year.

Basic AirCon-2 Sampler – AC Only

The Basic Sampler operates off AC power and has a built-in rotameter for quick visual monitoring of the flow rate. The front panel includes a flow adjustment control and on/off switch. Comes with removable power cord.

Programmable AirCon-2 Sampler – AC Version

The touchpad and LCD display on the front of this AC powered unit allows the user to program as many as three custom timing routines for unattended sampling up to 99 hours. The program feature can be used to control starts and stops to the sampling run, as well as delays, holds, and number of cycles.

Programmable units include an instant fault function. When the unit is operated out of its performance envelope, the AirCon-2 sampler will terminate the sampling run and lock in the time. A flashing word 'FAULT' appears on the display to alert the operator.

Back pressure load on the unit can be checked through the LCD display at any time simply by pressing a button on the front control panel.





1 PROGRAMMABLE AirCon-2 SAMPLER – BATTERY POWERED (DC VERSION)

This unit is identical to the AC programmable unit, except that it operates off a 12Vdc battery pack, for completely portable sampling. In addition, it can be operated directly off the charger module connected to AC, without the use of a battery. Battery-powered Sampler does not include a battery pack and power module, which must be ordered separately.

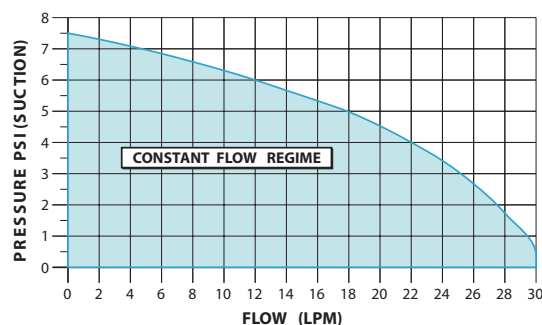
2 12V BATTERY PACKS

Available in 4-hour packs, which can be stacked on top of each other to obtain up to an 8-hour sampling period. A power module charger is required to charge the battery pack.

3 POWER MODULE CHARGER

Provides rapid recharging of battery packs, whether the packs are independent or connected to the sampler. That is, it recharges batteries while simultaneously powering the sampler from an AC source. Batteries are fully charged in 14 hours (operational) or 8 hours (non-operational).

AirCon-2 Samplers offer constant flow capability, over their entire 2 to 30 LPM flow range, at back pressures up to 7 psi. Flow is controlled within $\pm 5\%$ of the set point.



Part Numbers and Specifications

| | AirCon-2 Samplers | | | Battery Accessories | |
|---|--|--|-----------------------------|--|--|
| | Basic Unit, AC Power | Programmable, AC Power | Programmable, Battery Power | Four-Hour Battery Pack | Power Mod. Charger (120v & 230v) |
| Part Number | 801010-120 (120v) 801010-240 (240v) | 801011-120 (120v) 801011-240 (240v) | 801012 -100 (*) | 801001 (***) | No AC Cord Supplied: 801000-1 With USA AC Cord: 801000-2 With Euro AC Cord: 801000-3 |
| Electrical Input | 120/240Vac @ 50-60 Hz (**) | 120/240Vac @ 50-60 Hz (**) | 3.4A @ 12Vdc | — | 95-240 Vdc @50-60 Hz |
| Electrical Output | — | — | — | 12 Vdc, 13 AH | 3.6A @ 14Vdc (51 watts) |
| Weight | 10lbs. (4.5 kg) | 10.75 lbs. (4.8 kg) | 9.5 lbs. (4.3 kg) | 11.5 lbs. (5.2kg) | 2 lbs. (0.9 kg) |
| Overall Dimensions, inches centimeters | 5.7Wx7.5Dx13.0"H 14.5Wx19Dx33cmH | | | 5.25Wx7.5Dx5.5"H 13.3Wx19Dx14cmH | 5.25Wx7.5Dx3.5"H 13.3Wx19Dx8.9cmH |
| Temperature Limitations | Operating Temperature: -4 ⁰ to 113 ⁰ F (-20 ⁰ to 45 ⁰ C) | | | -40 ⁰ to 113 ⁰ F (-40 ⁰ to 45 ⁰ C) | |

| Recommended Filter Media | | | | |
|----------------------------|---|-----------------------------------|----------------|------------------------------|
| Airborne Substance | Filter Description | Preload Cassette Part No. | Cassette | Filter Part No.(replaceable) |
| Asbestos (OSHA, NIOSH) PCM | 25 mm, 0.8 micron, MCEF | GCS 25080 | 25 mm | GF25080 |
| Asbestos (EPA, AHERA) TEM | 25 mm, 0.45 micron, MCEF | GCS 25455-50 | 25 mm | GF25450 |
| Dust | 37 mm, 5 micron, PVC Previously weighed (0.1 mg) | GCU 37500 PVC GCU 37500 PVC PW | 37 mm 37 mm | |

* Battery-powered Sampler does not include a battery pack or power module, which must be ordered separately.
 ** User selectable by internal switch.
 *** Battery replacement requires two batteries, part no. 700285.