



# Portable High-Volume Airborne Particulates Sampler and Totalizer

**Model: AS-100**

**Model: AS-100-AC**

**Model: AS-70-AC**

## Features

- Built-In Timer
- Can Draw Air From Hood or Room
- Auto Shut-off on Flow Total or Time
- Quick Change 2" Diameter Glass Fiber Filter
- 227 Liters/min (7.5 Cfm) (AS-100 and AS-100AC)
- **70 CFM** (AS-70-AC)
- Accurately Measures Flow Rate, Total Flow, and Time
- AC Power (AS-100-AC)
- Battery Power (AS-100)
- **Optional:** Real-time Alpha-Beta Detector  
**Model FR-PIB**
- **Optional:** Breathing Zone Extender

## Application

The **AS-100** provides integrated air volume information. It is sensitive and versatile.

Designed for use as an industrial workplace and hospital breathing air measurement system.

It may be also used to monitor fume hoods and stack effluent down to EPA levels.

## Description

The **AS-100 & AS-100-AC** use standard 2" diameter glass fiber filters in TA's unique quick change, leak free filter holder.

The **AS-70-AC** uses 4" diameter or 8" x 10" glass fiber filters, user specified.

**Alternatively we offer the Model FR-PIB** in which the the filter is under constant surveillance via a GM or scintillation detector. Air is drawn by a high volume pump through a flow sensor and exhausted through an optional short three-foot hose.

An Inlet and outlet hose may be attached to allow monitoring of hoods, glove boxes, stacks, etc. The unit is completely self-contained and portable. Complete with 10 filters.



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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# Portable High Volume Airborne Particulates Sampler and Totalizer

Model: AS-100, Model AS-100-AC, Model AS-70-AC

## Specifications

<b>Electronics:</b>	Programmable.
<b>Pump:</b>	High Flow Pump and Filter holder.
<b>Flow Rate:</b>	227 liters/min ~ Model AS-100 & AS-100-AC (7.5 cfm Free Air flow is a little lower if Optional flowmeter is utilized) 70 cfm ~ Model AS-70-AC with side mounted flowmeter
<b>Filters:</b>	Includes 2" diameter glass fiber package 100 filter papers. <b>Model AS-70-AC includes</b> 4" diameter or 8" x 10" glass fiber filters, user specified
<b>Air Inlet:</b>	Direct from room or environment (or <b>Optional</b> inlet hose operation).
<b>Filter Holder:</b>	Unique TA Quick-Change Filter.
<b>Filters:</b>	2" dia. glass filters also can use wide variety of 2" filters.
<b>Display:</b>	6 digit Easy to Read LCD. (AS-100AC)
<b>Auto-Shut Off:</b>	Triggered by preset sample time or preset total flow value.
<b>Power:</b>	<b>AS-100:</b> 112-24Volt DC Rechargeable with Charger. <b>AS-100-AC &amp; AS-70-AC:</b> 115V AC – 220V AC ( <b>Optional</b> 230V AC).
<b>Case:</b>	Electronics housed in enameled aluminum housing; handle included.
<b>Weight and Dimensions</b>	
<b>Dimensions:</b>	17" W x 13" H x 13 1/2" D
<b>Weight:</b>	20 lbs

### Optional:

- Inlet hose from hood, stack or other location.
- Breathing zone extender.
- Flowmeter: Precision hot wire mass flow sensor or simple rotometer to show air flowrate
- **Alpha-Beta Detector: Model FR-PIB** Air Monitor assures Safety against airborne radioactivity contamination by means of constant check with alarm & Optional record capability.
- RS-232 data port



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