

# PORTABLE HIGH VOLUME AIR SAMPLER & TOTALIZER

Model ~ AS-100

Model ~ AS-100-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)
- ACCURATELY MEASURES FLOW RATE, TOTAL FLOW, & TIME
- BREATHING ZONE ( **OPTIONAL** TRIPOD)
- AC POWER (**OPTIONAL**: BATTERY POWER)
- **OPTIONAL**: REAL-TIME ALPHA-BETA DETECTOR **MODEL FR-PIB**
- **OPTIONAL**: REAL TIME ALARM



## 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** uses standard 2" diameter glass fiber filters in TA's unique quick change, no leak holders to trap any airborne particulates.

**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.



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## SPECIFICATIONS:

<b>Electronics:</b>	Programmable.
<b>Pump:</b>	High Flow Pump and Filter holder.
<b>Flow Rate:</b>	227 liters/min (7.5 cfm Free Air flow is a little lower if <b>Optional</b> flowmeter is utilized)
<b>Filters:</b>	Includes package of glass fiber filter papers.
<b>Air Inlet:</b>	Direct from room or environment (or <b>Optional</b> inlet hose).
<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> 12-24Volt DC. <b>AS-100-AC:</b> 115Volt AC ( <b>Optional</b> 230VAC).
<b>Data Output:</b>	RS-232 data port is standard.
<b>Case:</b>	Electronics housed in enameled aluminum housing; handle included.
<b>Weight &amp; Dimensions</b>	
<b>Dimensions:</b>	17"W x 13"H x 13 1/2"D.
<b>Weight:</b>	20 lbs (Not Including Optional Tripod).

## Options:

- Holder for larger filters, such as 4" dia. or rectangular filters.
- Inlet hose from hood, stack or other location. Tripod.
- Flowmeter: Precision hot wire mass flow sensor or simple rotometer to show air flowrate
- Alarm - Settable 2000 Hz beeper and red flasher.
- Built-in web server allows authorized remote readout
- **Alpha-Beta Detector:** [Model FR-PIB](#) Air Monitor assures Safety against airborne radioactivity contamination by means of constant check with alarm & **Optional** record capability.



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