

PORTABLE HIGH VOLUME AIRBORNE PARTICULATES SAMPLER & 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 & AS-100AC)
- **70 CFM** (AS-70-AC)
- ACCURATELY MEASURES FLOW RATE, TOTAL FLOW, & TIME
- AC POWER (AS-100-AC)
- BATTERY POWER (AS-100)
- **OPTIONAL:** REAL-TIME ALPHA-BETA DETECTOR **MODEL FR-PIB**
- **OPTIONAL:** BREATHING ZONE EXTENDER
- **OPTIONAL:** RS-232 COMPUTER INTERFACE



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 or charcoal 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 or charcoal, 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.



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SPECIFICATIONS:

Electronics:	Programmable.
Pump:	High Flow Pump and Filter holder.
Flow Rate:	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
Filters:	Includes 2" diameter glass fiber package 100 filter papers. Model AS-70-AC includes 4" diameter or 8" x 10" glass fiber filters, user specified
Air Inlet:	Direct from room or environment (or Optional inlet hose).
Filter Holder:	Unique TA Quick-Change Filter.
Filters:	2" dia. glass filters also can use wide variety of 2" filters.
Display:	6 digit Easy to Read LCD . (AS-100AC)
Temperature:	68° F – 113° F (20° C – 45° C)
Auto-Shut Off:	Triggered by preset sample time or preset total flow value.
Power:	AS-100: 12-24Volt DC Rechargeable with Charger. AS-100-AC & AS-70-AC: 115V AC – 220V AC (Optional 230V AC).
Case:	Electronics housed in enameled aluminum housing; handle included.

Weight & Dimensions

Dimensions:	17"W x 13"H x 13 1/2"D. (43 cm x 33 cm x 33cm)
Weight:	55 lbs. (24 kg)

Options:

- 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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