

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) BATTERY POWER **OPTIONAL**
- 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. Although designed as an industrial workplace and hospital breathing air measurement system, it may be 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. Optionally with Model **FR-PIB** 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.



Figure 1: AS-100-AC

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE (818) 883-7043 • FAX (818) 883-6103
e-mail: tagold@nwc.net • www.tech-associates.com

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SPECIFICATIONS:

- Electronics:** Programmable.
- Pump:** High Flow Pump and Filter holder.
- Flow Rate:** 227 liters/min (7.5 cfm Free Air flow is a little lower if optional flowmeter is utilized)
- Filters:** Includes package of glass fiber filter papers.
- Air Inlet:** Direct from room or environment (or **Optional** inlet hose).
- Breathing Zone: (Optional)** Tripod.
- Filter Holder:** Unique TA Quick-Change Filter.
Optional Holder for larger filters, such as 4" dia. or rectangular filters.
- Filters:** 2" dia. glass filters also can use wide variety of 2" filters.
- Display:** 6 digit Easy to Read LCD . (AS-100AC)
- Auto-Shut Off:** Triggered by preset sample time or preset total flow value.
- Data Output:** RS-232 data port is standard.
- Case:** Electronics housed in enameled aluminum housing; handle included.
- Dimensions:** 17"W x 13"H x 13 1/2"D.
- Power:** AS-100: 12-24Volt DC.
AS-100-AC: 115Volt AC (**Optional** 230VAC).
- Shipping Weight:** 28 lbs (Not Including **Optional** Tripod).
- Options:**
 - Inlet hose from hood, stack or other location.
 - Tripod.
 - 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 any where in the world.
 - Serial Printer.

•Optional Alpha-Beta Detector:

Model **FR-PIB** Air Monitor assures Safety against airborne radioactivity contamination by means of constant check with alarm and **Optional** record capability.

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