

PORTABLE HIGH VOLUME AIR SAMPLER & TOTALIZER 便携式大容量空气采样器&流量计

Model ~ AS-100
Model ~ AS-100-AC

FEATURES: 特点

- BUILT-IN TIMER
- 内置计时器
- CAN DRAW AIR FROM HOOD or ROOM
- 可以从排风罩或房间抽取气样
- AUTO SHUT-OFF ON FLOW TOTAL OR TIME
- 自动关闭总流量或时间
- QUICK CHANGE 2" DIAMETER GLASS FIBER FILTER
- 快速更换直径2" 玻璃纤维过滤器
- 227 LITERS/MIN (7.5 cfm)
- ACCURATELY MEASURES FLOW RATE, TOTAL FLOW, & TIME
- 精确测量流速，总流量和时间
- BREATHING ZONE (**OPTIONAL** TRIPOD)
- 呼吸带（选择三脚架）
- AC POWER (**OPTIONAL**: BATTERY POWER)
- AC电源（可选电池电源）
- **OPTIONAL**: REAL-TIME ALPHA-BETA DETECTOR MODEL FR-PIB
- 选项：实时 α - β 探测器，型号FR-PIB
- **OPTIONAL**: REAL TIME ALARM
- 选择：实时报警



APPLICATION: 应用

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. AS-100提供综合空气流量信息。此空气测量系统灵敏，用途广，为工业场所和医院呼吸带而设计也可以用于监测排气罩、烟道流出物，符合环保部门标准

DESCRIPTION: 描述

The **AS-100** uses standard 2" diameter glass fiber filters in TA's unique quick change, no leak holders to trap any airborne particulates.



TECHNICAL ASSOCIATES

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Divisions of



US NUCLEAR CORP

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Alternatively we offer the [Model FR-PIB](#), in which 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.

AS-100使用TA公司快速更换的标准直径2"玻璃纤维过滤器，过滤托架密封可捕获任何气溶胶粒子。

我们也提供替代型号**FR-PIB**，其过滤器持续在GM或闪烁体探头监测下；大容量泵通过流量传感器抽进气样然后由3英尺长管子排放（选项）。

可选择进气/出气管以监测排气罩，手套箱，烟道等。此系统完全一体便携，带10个过滤网

SPECIFICATIONS: 规格

Electronics: Programmable.

电子学：可设置/编程

Pump: High Flow Pump and Filter holder.

泵：高流量泵和过滤器托

Flow Rate: 227 liters/min
(7.5 cfm Free Air flow is a little lower if **Optional** flowmeter is utilized)

流量：227升/分钟（如果使用选择使用流量计，7.5 cfm自由流空气则稍低）

Filters: Includes package of glass fiber filter papers.

过滤器：包括一包玻璃纤维过滤纸

Air Inlet: Direct from room or environment (or **Optional** inlet hose).

进气：直接从室内或环境中取样（或选择使用进气管）

Filter Holder: Unique TA Quick-Change Filter.

过滤装置：TA公司独特快速更换过滤器

Filters: 2" dia. glass filters also can use wide variety of 2" filters.

过滤器：直径2英寸玻璃纤维，可使用其它同尺寸其它材料

Display: 6 digit Easy to Read LCD . (AS-100AC)

显示：6位数易读LCD（AS-100AC）

Auto-Shut Off: Triggered by preset sample time or preset total flow value.



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自动关闭: 预设采样时间或预设总流量触发自动关闭功能

Power: **AS-100:** 12-24 Volt DC.

AS-100-AC: 115Volt AC (Optional 230VAC).

电源: AS-100:12-24V直流电

AS-100-AC: 115V AC电 (可选230VAC).

Data Output: RS-232 data port is standard.

数据输出: 标准RS-232数据接口

Case: Electronics housed in enameled aluminum housing; handle included.

机箱: 电子学封装在抛光铝箱中, 包括把手

Weight & Dimensions 重量和尺寸

Dimensions: 17"W x 13"H x 13 1/2"D.

尺寸:

Weight: 20 lbs (Not Including Optional Tripod).

重量: 20磅 (不含选购的三脚架)

Options: 选择

- Holder for larger filters, such as 4" dia. or rectangular filters.
- 更大过滤器托架, 如直径4"或长方形
- Inlet hose from hood, stack or other location. Tripod.
- 接通排气罩, 烟道或其它地点的进气管, 三脚架
- Flowmeter: Precision hot wire mass flow sensor or simple rotometer to show air flowrate
- 流量计: 精确的热线式流量传感器或简单的旋转空气流量计
- Alarm - Settable 2000 Hz beeper and red flasher.
- 报警-可设定2000Hz蜂鸣音和红色闪灯
- Built-in web server allows authorized remote readout
- 内置网络服务器允许授权远程显示
- **Alpha-Beta Detector:** [Model FR-PIB](#) Air Monitor assures Safety against airborne radioactivity contamination by means of constant check with alarm & **Optional** record capability.
- α - β 探测器: 型号FR-PIB空气监测器通过连续检测报警功能和选购的录入功能对气溶胶辐射物进行测量以确保安全。



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