

# FLOOR MONITORS ALPHA plus BETA-GAMMA

## 地面监测仪 $\alpha + \beta / \gamma$

Model ~ ABFM-5 Pancake Array GM Model

ABFM-5 扁平 GM 计数管

Model ~ ABFM-6 Scintillator

ABFM-6 闪烁体

Model ~ ABFM-7 Gas Flow

ABFM-7 流气式

### FEATURES:特点

- SEPARATES ALPHA FROM BETA-GAMMA IN ABFM-6 AND ABFM-7  
型号 ABFM-6 和 ABFM-7 分离  $\alpha$  和  $\beta - \gamma$
- LARGE FACE 144 square inches (925 cm ) on ABFM6 and ABFM7  
大面积 144 平方 (925cm)
- SCINTILLATION, GAS FLOW, or GM DETECTOR  
闪烁探头, 流气式, GM 计数管
- FAST AND SENSITIVE  
快速, 灵敏
- DIGITAL READOUT  
数字读数
- OUTPUT FOR RECORDER  
输出录入功能
- RUGGED  
结实
- BUILT-IN SPEAKER  
内置扬声器
- EASY DECONTAMINATED  
易去污



AFBM-SERIES FLOOR MONITORS  
FABM 系列监测仪



AFBM-SERIES FLOOR MONITORS  
INTERIOR  
监测仪内部



TBM-3-D  
ELECTRONICS  
TMB 电子学



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### DESCRIPTION: 描述

Alpha plus Beta Gamma Floor Monitors, Models **ABFM-5, 6, & 7** utilize Alpha-Beta-Gamma sensitive detectors coupled to **Model TBM-3-D** electronics with background.

$\alpha + \beta / \gamma$  地板监测仪，型号 ABFM-5, 6, & 7 使用  $\alpha + \beta / \gamma$  灵敏探头，结合 TBM-3-D 电子学带背光。

- An electronic sorter accepts and displays Alpha counts only or Alphas plus Beta-Gamma, or Beta-Gamma only.
- 电子学分拣功能选择只接受和显示  $\alpha$  计数，或接受  $\alpha + \beta / \gamma$
- Windows are protected by a frame and grid which is easily removed for decontamination.
- 探测窗带格栅保护，易拆卸去污
- The very large face detectors achieve the fastest most sensitive floor monitoring system currently available.
- 大探测面积探测器是系统中检测最快最灵敏的监测器。

### SPECIFICATIONS: 规格

#### MODEL 型号

**ABFM-5:** 12 large window, thin form GM detectors, 29 sq. inches coverage in 24 inch swath.  
Window 1.5-2 mg/cm.

12 个大薄窗 GM 探头，29 平方英寸探测面积一次涵盖 24 英寸。

Sees Alpha plus all common Betas except H-3.

可见  $\alpha$  + 所有常见  $\beta$ ，氚除外

Adjustable height above floor.

Adjustable handle, minimum 43" (110 cm) height

可调节把手，可缩至 43" (110 cm)

Weight 4 kg

重量 4 千克

可调节高度

The **ABFM-5** sees all Alpha, Beta and Gamma together. It does not sort.

ABFM-5 可见所有  $\alpha$ ， $\beta$  和  $\gamma$ ，无区分。



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**ABFM-5 扁平 GM 计数管**

**Model ~ ABFM-6 Scintillator**

**ABFM-6 闪烁体**

**Model ~ ABFM-7 Gas Flow**

**ABFM-7 流气式**

### **ABFM-6: Detector Details:**

4 PM tubes collect information from 144 sq. inches of plastic phosphor protected by thin light-tight easily replaceable window plus grille.

4 个 PM 管从 144 平方英寸的塑料磷光体收集信息，探头带薄密光可替换窗和格栅。

Window is less than 1 mg/cm.

窗厚度小于 1 mg/cm

Sees Alphas plus all common Betas except H-3.

可见除了 H3 外的全部  $\beta$

### **Detector Types: 探头类型**

ZnS(Ag) for Alpha 阿尔法探头 ZnS(Ag)

Beta Scintillator Sheet located behind the Alpha detector

$\beta$  闪烁体薄层位于  $\alpha$  探头后

Switch selectable: **Alpha only** or **Beta-Gamma only** or **all**.

可选择：只测  $\alpha$ ，或只测  $\beta - \gamma$ ，或者全部测量

Digital readout.

数字读数

Power: 5,000 mA hours

电源：

Batteries: Lithium Ion Battery Pack

电池：锂电池组件

Adjustable height above floor.

可调节高度

Adjustable handle, minimum 43" (110 cm) height

可调节把手，可缩至 43" (110 cm)

Weight 11 kg due to high sensitivity light pipes

重量 11 千克因使用高灵敏光电管

Three wheeled for ease of pivot ability

三轮设计易于转动

Output for recorder.

输出录入功能



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**Model ~ ABFM-7 Gas Flow**

**ABFM-7 流气式**

### **ABFM-7:**

144 sq. inches thin window gas flow proportional dual detector.

144 平方英寸薄窗流气式正比双计数管探测器

Window is less than 1 mg/cm.

窗厚不足 1 mg/cm

Sees Alphas and all common Betas except H-3.

可见  $\alpha$  和普通  $\beta$  (不含氚)

Sees X-rays (eg H bremsstrahlung) and Gammas down to 5 KeV but with less efficiency.

可见 X 射线和 5KEV 伽马

Switch selectable for **Alpha** or **Beta-Gamma** or **all**.

可选择只测  $\alpha$  或  $\beta - \gamma$  或测量全部

Pulse height analyzer.

脉冲高度分析

Analog plus digital response.

模拟加数字响应

Adjustable height above floor.

可调节地面高度

Output for recorder.

输出录入

Includes gas supply (P-10).

包括 P-10 气体



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