

# FLOOR MONITORS ALPHA plus BETA-GAMMA

Model # ABFM-5 Pancake Array GM

Model # ABFM-6 Scintillator

Model # ABFM-7 Gas Flow

## FEATURES:

- SEPARATES ALPHA FROM BETA-GAMMA IN **ABFM-6 AND ABFM-7**
- LARGE FACE 144 square inches (925 cm<sup>2</sup>) on ABFM6 and ABFM7
- SCINTILLATION, GAS FLOW, or GM DETECTOR
- FAST AND SENSITIVE
- ANALOG AND DIGITAL READOUT
- OUTPUT FOR RECORDER
- RUGGED
- BUILT-IN SPEAKER
- CAN BE DECONTAMINATED

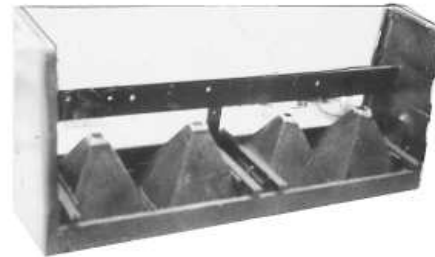


Figure 1: ABFM-Series

**GENERAL DESCRIPTION:** Alpha plus Beta Gamma Floor Monitors, Models **ABFM-5, 6, & 7** utilize alpha-beta-gamma sensitive detectors coupled to appropriate electronics. An electronic sorter accepts and displays alpha counts only or alphas plus beta-gamma, or beta-gamma only. Windows are protected by a frame and grid which may be easily removed for decontamination purposes. The very large face detectors achieve, as far as we know, the fastest most sensitive floor monitoring system currently available.

**SPECIFICATIONS:** Three additions to Technical Associates Floor Monitor Group.

## MODEL#

- ABFM-5:** 12 large window thin form GM detectors, 29 sq. inches coverage in 24 inch swath. Window 1.5-2 mg/cm<sup>2</sup>. Sees alpha plus all common betas except H-3. Adjustable height above floor. The **ABFM-5** sees **all alpha beta and gamma together**. It does not sort.
- ABFM-6:** 4 PM tubes collect information from 144 sq. inches of plastic phosphor protected by thin light-tight easily replaceable window plus grille. Window is less than 1 mg/cm<sup>2</sup>. Sees alphas plus all common betas except H-3. Switch selectable: **alpha only** or **beta-gamma only** or **all**. Digital and analog readout. Adjustable height above floor. Output for recorder.
- ABFM-7:** 144 sq. inches thin window gas flow dual detector. Window is less than 1 mg/cm<sup>2</sup>. Sees alphas and all common betas except H-3. Also **sees X-rays** (eg H<sup>3</sup> bremsstrahlung) and gammas down to 5 KeV but with less efficiency. Switch selectable for **alpha** or **beta-gamma** or **all**. Also has pulse height analyzer. Analog plus digital response. Adjustable height above floor. Output for recorder. Includes gas supply (P-10).

**TA**

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