

FLOOR MONITORS ALPHA plus BETA-GAMMA

Model ~ ABFM-5 Pancake Array GM Model

Model ~ ABFM-6 Scintillator

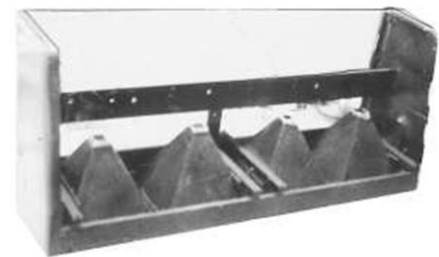
Model ~ ABFM-7 Gas Flow

FEATURES:

- SEPARATES ALPHA FROM BETA-GAMMA IN **ABFM-6 AND ABFM-7**
- DUAL DETECTORS - ZnS(Ag) for Alpha Beta Scintillator Sheet
- LARGE FACE 144 square inches (925 cm) on ABFM6 and ABFM7
- SCINTILLATION, GAS FLOW, or GM DETECTOR
- FAST AND SENSITIVE
- DIGITAL READOUT
- OUTPUT FOR RECORDER
- RUGGED
- BUILT-IN SPEAKER
- EASY DECONTAMINATION



AFBM-SERIES FLOOR MONITORS



AFBM-SERIES FLOOR MONITORS
INTERIOR



TBM-3-D
ELECTRONICS

DESCRIPTION:

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 backlight.

- 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 is easily removed for decontamination.
- The very large face detectors achieve the fastest most sensitive floor monitoring system currently available.



TECHNICAL ASSOCIATES
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Divisions of  US NUCLEAR CORP

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SPECIFICATIONS:

MODEL

ABFM-5: 12 large window, thin form GM detectors, 29 sq. inches coverage in 24 inch swath.
Window 1.5-2 mg/cm.
Sees Alpha plus all common Betas except H-3.
Adjustable height above floor.
Adjustable handle, minimum 43" (110 cm) height
Weight 4 kg
The **ABFM-5** sees **all Alpha, Beta and Gamma together**. It does not sort.

ABFM-6: Detector Details:

4 PM tubes collect information from 144 sq. inches (925 cm) of plastic phosphor protected by thin light-tight easily replaceable window plus grille.
6" x 24" detector face
Window is less than 1 mg/cm.
Sees Alphas plus all common Betas except H-3.

Detector Types:

ZnS(Ag) for Alpha
Beta Scintillator Sheet located behind the Alpha detector
Switch selectable: **Alpha only** or **Beta-Gamma only** or **all**.
Digital readout.
Power: 5,000 mA hours
Batteries: Lithium Ion Battery Pack
Adjustable height above floor.
Adjustable handle, minimum 43" (110 cm) height
Weight 11 kg due to high sensitivity light pipes
Three wheeled for ease of pivot ability
Output for recorder.

ABFM-7:

144 sq. inches thin window gas flow proportional dual detector.
Window is less than 1 mg/cm .
Sees Alphas and all common Betas except H-3.
Sees X-rays (eg H bremsstrahlung) and Gammas down to 5 KeV but with less efficiency.
Switch selectable for **Alpha** or **Beta-Gamma** or **all**.
Pulse height analyzer.
Analog plus digital response.
Adjustable height above floor.
Output for recorder.



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Includes gas supply (P-10).



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