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 cm²) on ABFM6 and ABFM7
- SCINTILLATION, GAS FLOW, or GM DETECTOR
- FAST AND SENSITIVE
- DIGITAL READOUT
- OUTPUT FOR RECORDER
- RUGGED
- BUILT-IN SPEAKER
- EASY DECONTAMINATION

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.
FLOOR MONITORS ALPHA plus BETA-GAMMA

Model ~ ABFM-5 Pancake Array GM Model
Model ~ ABFM-6 Scintillator
Model ~ ABFM-7 Gas Flow

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 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 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 handle above floor.
Output for recorder.
FLOOR MONITORS ALPHA plus BETA-GAMMA

Model ~ ABFM-5 Pancake Array GM Model
Model ~ ABFM-6 Scintillator
Model ~ ABFM-7 Gas Flow

Includes gas supply (P-10).