The HSM-10G monitors both Alpha and Beta/Gamma in each of three channels.

- Left foot, Right foot, and Hands (* see specs for other options).
- Each channel has separate alarm level set switches for Alpha & for Beta/Gamma radiation.
- Background is monitored continuously while the system is unoccupied.
- Background subtraction uses the most recent Beta/Gamma background count.
- Time for the monitoring count is preset on a versatile digital timer with choices from 1 to 99 seconds in one second intervals.
- This preset time is also the background update time.
- The Beta/Gamma alarm switch for each channel sets the count above background needed within the preset time period to excite an alarm.
- Alpha background is low (typically << 10 cpm) and may be neglected or counted by the HSM-10G and added to give best preset Alpha count.
ALPHA & BETA/GAMMA HAND & SHOE MONITOR

Model ~ HSM-10G

SPECIFICATIONS: HSM-10G
OPTIONS: Left Hand, Right Hand, Both Feet Or Left Foot, Right Foot, Both Hands.

GAS FLOW PROPORTIONAL DETECTORS:

Hand Detectors: 10-3/4" x 6-1/4" each side - 4 hand detectors.
Shoe Detectors: 16-1/4" x 6-1/4" each shoe - 2 shoe detectors.
Detector Construction: Hinged mounting for easy access and decontamination.
Shielding for Background Reduction: 0.5 mg/cm² aluminized Mylar detector windows with protection screen 73% open area.
Optional Shielding: >= 2 pi shielding about detectors - steel 0.7" lead equivalent.
3 Channels: Left foot, Right Foot, Both Feet;
Right Hand, Left Hand, Both Hands
Utility Scaler: 0 to 99,999 plus overflow with LED display.
Options to switch to Left Shoe Alpha; Left Shoe Beta; Right Shoe Alpha; Right Shoe Beta; Hands Alpha; Hands Beta.
Channel Counting Time: User Selectable from 1 second to 99 seconds in 1 second increments.
Background Update Interval: Background updates automatically whenever unit is not occupied.
Background update interval same as channel counting time.

ALARMS:

Background: Sonalert plus front panel light indicators.
Adjustable in 10 steps - 100 counts to 1,000 counts.
Low Level Alarm: (indicates malfunction) - front panel light indicator (factory set).
Channel Alarms: Sonalert plus front panel light indicators.
Selectable in 1 count increments: Alpha - 0 to 99 counts; Beta-Gamma - 0 to 999 counts.
Check Incomplete: Sonalert plus projector warning.
Projector Warning System: Front panel screen 3-1/2" x 2-3/4"

Display Messages - only one message displayed at one time.

• Contamination (location of contamination channels and whether Alpha or Beta contamination also displayed).
• Counter In Operation
• Check Incomplete - Reset and Repeat

Front Panel Indicators: Message Projection, High Background Alarm Light, Low Level Alarm Light, Power-On Light

Use Count Register: (Audit instrument use) - 0 to 99,999 (Optional)
Power Source: 115 VAC, 60 Hz (200-240 V, 50-60 Hz optional)

WEIGHT & DIMENSIONS:

Dimensions: Cabinet: 67-3/4" high x 27-1/2" wide x 24" deep.
Shoe Deck: 23" long x 18" wide x 4-1/2" high.
Shipping Weight: 650 lbs.