

Hand & Shoe Contamination Monitor - Model 49-12-2

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Specifications

AUDIO: built-in multi-tone unimorph type speaker (greater than 68 dB at 61 cm [2 feet])

AUDIO ACKNOWLEDGE: pushbutton to silence audio

ALARM: indicated by red LEDs and audible signal (each hand and foot has indicators for alpha and beta-gamma alarms)

READY: (green LED) indicates instrument is ready to monitor personnel

COUNTING: (green LED) indicates count is in process (activated by switch in hand cavity)

CHECK OK: (green LED) indicates person being monitored is under alarm limits

PROCEDURAL ERROR: (orange LED and continuous audible beep)

UPDATING BACKGROUND: (orange LED) indicates system is updating background

POWER: 95-135 Vac (178-240 Vac available), 50-60 Hz

SIZE: 147.3 x 71.1 x 81.3 cm (58 x 28 x 32 in.) (H x W x L)

WEIGHT: 63.6 kg (140 lb)

SHIPPING SIZE: 149.9 x 93.9 x 86.4 cm (59 x 37 x 34 in.) (H x W x L)

SHIPPING WEIGHT: 170.1 kg (375 lb)

PART NUMBER: 48-2513

DETECTOR: HANDS: 6 pancake GM per array **SHOES:** 8 pancake GM per array

FRISKER: Model 44 - 9

OPEN AREA: HANDS: 146 cm² ea; **SHOES:** 98 cm² ea

ACTIVE AREA: HANDS: 185 cm² ea; **SHOES:** 123 cm² ea

WINDOW: 1.7 + - 0.3 mg/cm² mica

RECOMMENDED COUNTING GAS: N/A

EFFICIENCY (4pi): HANDS: 5%^{-14C}; 22%^{-90Sr/90Y}; 19%^{-99Tc}; **SHOES:** 32%^{-32P}; 15%^{-239Pu}

