

# Model 4906A

## Hand & Foot Monitor

*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.

### Features

- Alpha Air Proportional Probes
- Large LCD User Interface
- Automatic Routines for Detector Setup & Alarm Calculations
- Voice Prompts
- Built-in Ethernet Interface
- Single-Hand Operational Mode
- Front Access to All Components for Repair/Calibration

### Introduction

The Model 4906A is a low cost, industrial duty, alpha-only contamination monitoring system that uses six air proportional detectors for checking personnel. A large color LCD presents users with the system status and points out any potential contamination in an easy-to-use manner. Alarms are annunciated locally and can be augmented with optional relays for signaling remote devices or a light stack mounted on top. An Ethernet interface supports connection to a network for gathering all count cycles and remotely monitoring instrument status.

All maintenance can be performed from the front of the instrument. Detector access for quick replacement or repair is facilitated by hinged top covers. The unit is equipped with rear-mounted wheels to facilitate transporting the instrument from one location to the next.



Part Number: 48-3687  
[shown with optional  
Light Stack]

### Specifications

DETECTORS: six alpha air- proportional: two for feet, and four to cover both sides of hands

DETECTOR EFFICIENCY (4 $\pi$ ):

Hand Detectors: <sup>239</sup>Pu–12%

Foot Detectors: <sup>239</sup>Pu–10%

DISPLAY: 30.7 cm (12.1 in.) diagonal, TFT LCD SVGA

ELECTRONICS: fanless motherboard running Embedded Windows™ XP

COUNT TIME: adjustable from 1–99 seconds

CONTROLS: LCD touchscreen facilitates all control functions with the exception of 1) power on/off button, 2) one hand operation button, 3) alarm acknowledgment button

CONSTRUCTION: welded aluminum with powder coat finish, stainless steel base, and two offset wheels for portability

TEMPERATURE: 0 to 40 °C (32 to 104 °F)

HUMIDITY: 0–95% RH

POWER SUPPLY:

Input: 90 – 264 VAC at 47 – 63 Hz (requirement for wall outlet power)

Output: 12 VDC, 7 A Max, 84 W (M4906 input power coming from Power Supply)

SIZE: 121 x 79.8 x 90.2 cm (47.6 x 31.4 x 35.5 in.) (H x W x D), step-up 3.8 cm (1.5 in.) high

WEIGHT: 72.6 kg (160 lb)

**Option:** Model 4906AB Alpha/Beta Hand & Foot Monitor [Part No. 48-3688]