

Model 3276HFM Low Cost Hand & Foot Monitor

Features

- Measure Alpha, Beta, and Gamma Contamination
- Simple Setup and Use
- User-Adjustable Alarms
- User-Programmable Units of Measure, Either U.S. or SI Units
- Power: Standard Alkaline (4) "AA" Batteries or 9 Vdc Wall Mount Transformer

Introduction

The Model 3276 is a versatile instrument that can be used for multiple radiation detection purposes. In this configuration, the Model 3276 is connected to both a Model 44-25 hand monitor detector and a Model 44-26 foot monitor detector to monitor personnel for alpha, beta, and gamma contamination. An optional Model 44-9 detector can also be included for frisking.

Configurations

Product	 Model 3276HFM	 Model 3276HFM with Frisker	 Model 3276HFM with Frisker
Part Number	48-4160-2	48-4160-6	48-4160-1
3276 Meter	✓	✓	✓
44-25 Hand Detector	✓	✓	✓
44-26 Foot Detector	✓	✓	✓
Mount	Stand	Stand	Wall
44-9 Frisker		✓	✓
Detector Switch	View hand counts, foot counts, or hand + foot counts	View hand counts, foot counts, or frisker counts	View hand counts, foot counts, or frisker counts
Size (L x W x H)	32 x 30.5 x 138 cm (12.6 x 12 x 54.3 in.)	32 x 30.5 x 138 cm (12.6 x 12 x 54.3 in.)	See Component Specifications

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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Model 3276 Multipurpose Digital Meter

Part Number: 48-4160

Features include user-adjustable alarms and user-programmable units of measurement in either U.S. or SI units.

DISPLAY: 3-digit LCD with 20 mm (0.8 in.) digits,

DISPLAY RANGE:

- 0.00 cps to 999 kcps
- 0.00 cpm to 999 kcpm
- 0.00 Bq to 999 kBq
- 0.00 dpm to 999 kdpm
- 0.00 $\mu\text{R}/\text{h}$ to 999 R/h
- 0.00 $\mu\text{Sv}/\text{h}$ to 999 Sv/h

NOTE: Display Ranges should be set up by qualified personnel according to detector specifications

CONTROLS:

- ON/OFF – Press to turn ON; Tap to acknowledge alarms and silence alarm tone; Press to reset Sigma Audio alarm; Press to reset or start scaler count; Hold for OFF
- UNITS – Changes the units from count rate (cpm, cps), to dose/exposure ($\mu\text{Sv}/\text{h}$, mR/hr), or disintegration (dpm, Bq)
- AUDIO – Turn “click” audio On/Off; Turn Sigma Audio beep On/Off
- MODE – Alternates between RATE (count rate), MAX (captures peak rate), and COUNT (user-selectable preset count time from 0 to 10 minutes)

RESPONSE TIME: User-selectable from 1 to 60 seconds, or Auto-Response Rate FAST or SLOW

ALARMS: Count rate, exposure/dose, and scaler alarm setpoints adjustable over the display range

LOSS OF COUNT PROTECTION: After a user-settable time interval (default 60 seconds) of no pulses from detector, the unit will flash a zero reading and the alarm audio will be triggered

AUDIO: Greater than 75 dB at 0.6 m (2 ft), approximately 4.5 kHz

POWER: 4 alkaline “AA” batteries with approximately 50 hours expected life, or 9 Vdc input via wall mount transformer (input 100-250 Vac, 50-60 Hz)

SIZE (H x W x L): 5.8 x 13.5 x 19.1 cm (2.3 x 5.3 x 7.5 in.)

Model 44-25 Hand Detector

Part Number: 47-1508

APPLICATION: Alpha, beta, gamma survey of hands

DETECTOR: 2 pancake-type, halogen-quenched GM tubes

WINDOW (ACTIVE): 31 cm² (4.8 in²)

SENSITIVITY: typically 6600 cpm per mR/hr

SIZE (H x W x L): 24.1 x 15.2 x 19.8 cm (9.5 x 6 x 7.8 in.)

Model 44-26 Foot Detector

Part Number: 47-1509

APPLICATION: Alpha, beta, gamma survey of foot/shoe

DETECTOR: 3 pancake-type, halogen-quenched GM tubes

WINDOW (ACTIVE): 46 cm² (7.1 in²)

SENSITIVITY: typically 9900 cpm per mR/hr

SIZE (H x W x L): 27.4 x 17.8 x 22.9 cm (10.8 x 7 x 9 in.)

Model 44-9 Frisker (Optional)

Part Number: 47-1539

APPLICATION: Alpha, beta, gamma survey

DETECTOR: Pancake-type, halogen-quenched GM tube

WINDOW (ACTIVE): 15.5 cm² (2.4 in²)

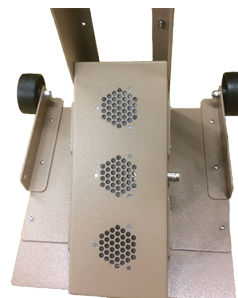
SENSITIVITY: typically 3300 cpm per mR/hr

SIZE (H x W x L): 4.6 x 6.9 x 27.2 cm (1.8 x 2.7 x 10.7 in.)

Options

Stand Wheel Option (PN 4224-025)

For Model 3276HFM with stand mount, adds wheels to the base to make it easier to move the monitor between different locations.



See our website for additional options for the Model 3276.