LUDLUM MEASUREMENTS, INC.

Model 3276HFM
Low-Cost Hand & Foot Monitor

Features

- Measure Alpha, Beta, and Gamma Contamination on Personnel
- Simple Setup and Use
- User-Adjustable Alarms
- User-Programmable Units of Measurement – Either cps, cpm, or Both
- Power: Standard Alkaline (4) "AA" Batteries or 9 Vdc Wall Mount Transformer

Introduction

The Model 3276HFM Hand & Foot Monitor is a low-cost instrument designed to measure alpha, beta, and gamma contamination on personnel. It combines the Model 3276 with a Model 44-25 hand monitor detector and a Model 44-26 foot monitor detector in either a stand or wall-mount configuration. 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

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556
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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 cps or cpm.

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

NOTE: Operational display ranges are dependent on the detector and dead time configuration. The minimum and maximum display can be set to limit the display to the calibrated range.

USER CONTROLS:

- ON/OFF – Extra-long press to turn ON; Short press to acknowledge alarms; Extra-long press plus 3 seconds to turn OFF
- UNITS – If both units are enabled, short press changes the units between cps and cpm; Extra-long press to change count time in COUNT Mode
- AUDIO – Short press to adjust audio level
- MODE – Short press alternates between modes: RATE (displays count rate), MAX (captures peak rate), and COUNT (captures counts for a 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: Two adjustable 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: Approximately 4.5 kHz, click audio greater than 65 dB at 0.6 m (2 ft), alarm audio greater than 72 dB

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)

BATTERY LIFE: Approximately 50 hours with the backlight ON, 16-hour low-battery warning

ENVIRONMENTAL RATING: NEMA rating of 2, IP rating of 51

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

WEIGHT: 0.9 kg (2 lb) (excluding detectors and clips)

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 cm^2 (4.8 in^2)
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 cm^2 (7.1 in^2)
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)

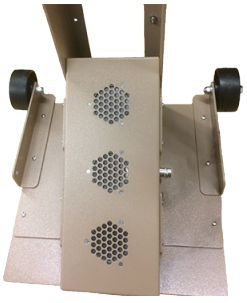
Part Number: 47-1539

APPLICATION: Alpha, beta, gamma survey
DETECTOR: Pancake-type, halogen-quenched GM tube
WINDOW (ACTIVE): 15.5 cm^2 (2.4 in^2)
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.

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