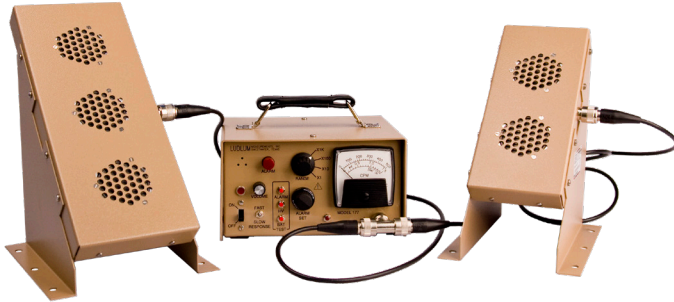


## Model 177HFM Low Cost Hand & Foot Monitor



### Features

- Detects Alpha, Beta, and Gamma Radiation
- Low Cost
- Easy to Set Up
- User-Adjustable Alarms
- 4 Ranges
- 50-Hour Rechargeable Battery

### Specifications

#### Model 177 Benchtop Meter

Part Number: 48-1632

**METER DIAL:** 0 to 500 cpm; 0 to 1.5 kV; BAT TEST

#### CONTROLS:

- Range Selector: x1, x10, x100, x1k
- Alarm Set: Front-panel locking control allowing alarm to be set at any point on the meter (can be read on meter)
- Response: FAST (2.2 seconds) or SLOW (22 seconds), for 90% of full-scale reading
- On/Off switch, Alarm Test Button, HV Test Button, Bat Test Button, Reset Button, Volume Control

**AUDIO:** Built-in unimorph speaker with volume control, provides click-per-event or alarm audio

**ALARM:** Indicated by red lamp and audible tone (greater than 60 dB at 61 cm [2 ft])

**POWER:** 95 to 250 Vac and built-in 6-volt sealed lead-acid rechargeable battery. Battery is continuously trickle charged when instrument is connected to line power and turned on.

**BATTERY LIFE:** Typically 50 hours in non-alarm condition

**SIZE (H x W x L):** 12.7 x 20.3 x 15.2 cm (5 x 8 x 6 in.)

**WEIGHT:** 1.9 kg (4.2 lb)

### Introduction

The Model 177 benchtop meter can be combined with the Model 44-25 alpha-beta-gamma hand detector and Model 44-26 alpha-beta-gamma foot detector to create a low-cost monitoring system for checking hands and feet. To build this system, order the following items:

- Model 177 Benchtop Meter (PN: 48-1632)
- Model 44-25 Hand Detector (PN: 47-1508)
- Model 44-26 Foot Detector (PN: 47-1509)
- Connection tee (PN: 13-7788)
- 2 ea. 1.5 m (5 ft) cable (PN: 40-1004-5)

#### Model 44-25 Hand Detector

Part Number: 47-1508

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

**WINDOW AREA:** Active: 31 cm<sup>2</sup> (4.8 in<sup>2</sup>), Open: 18 cm<sup>2</sup> (2.8 in<sup>2</sup>)

**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 6.0 x 7.8 in.)

**WEIGHT:** 1.5 kg (3.3 lb)

#### Model 44-26 Foot Detector

Part Number: 47-1509

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

**WINDOW AREA:** Active: 46 cm<sup>2</sup> (7.1 in<sup>2</sup>), Open: 27 cm<sup>2</sup> (4.3 in<sup>2</sup>)

**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.)

**WEIGHT:** 2 kg (4.4 lb)