

## Model 3276 with Model 44-9 Detector Wall-Mounted Frisker

Part Number: 48-4160-4

### Features

- Compact & Versatile Frisking Station
- Model 44-9 Detector for Frisking People and Objects for Alpha, Beta & Gamma Radiation
- Lifting Detector from Cradle Enables "Click" Audio
- User-Adjustable Alarms
- User-Programmable Units of Measurement: Either U.S. or SI Units

### Model 3276 Multipurpose Digital Meter

**HIGH VOLTAGE:** 900 Vdc

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

Units: (k)cps, (k)cpm, (k)Bq, (k)dpm, (μ)(m)R/(h), (μ)(m)Sv/(h).

Indicators: bar graph, MAX, ALARM, USB, audio, low-battery.

**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 μR/h to 999 R/h; 0.00 μSv/h to 999 Sv/h

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.

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

**BACKLIGHT:** continuously on to provide better visibility

#### 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: short press changes the units from count rate, dose/exposure, or disintegration; 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 rate or dose readings for a user-selectable preset count time from 0 to 10 min)

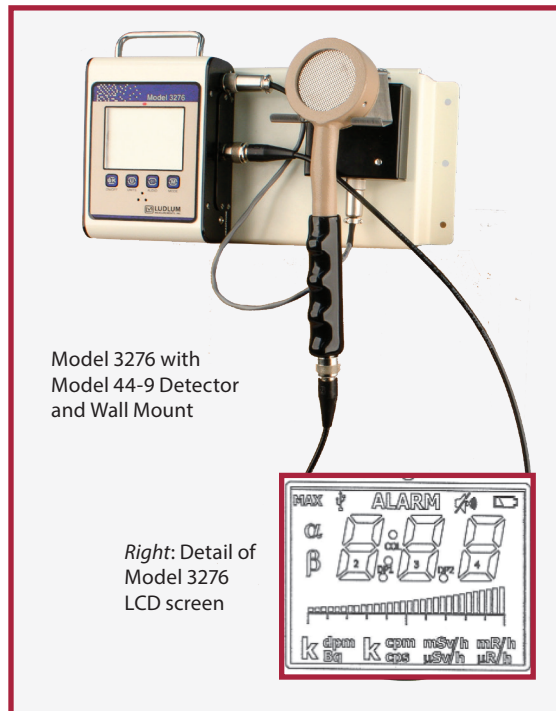
**POWER:** Four alkaline "AA" batteries for portable use, or 9 Vdc input via wall mount transformer (input 100 - 250 Vac, 50 - 60 Hz).

**BATTERY LIFE:** approximately 50 hours, 16-hour low-battery warning

**TEMPERATURE RANGE:** -20 to 50 °C (-5 to 122 °F)

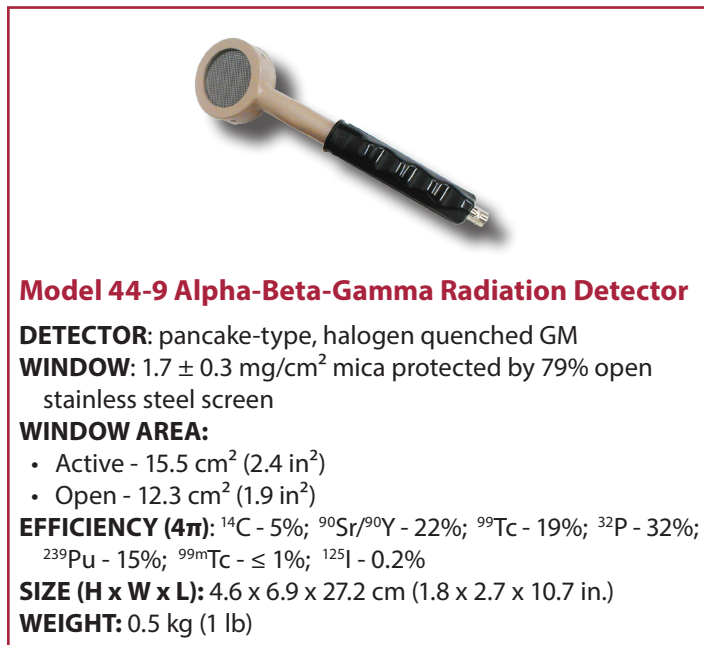
**SIZE (H x W x L):** 5.8 x 13.5 x 19.1 cm (2.3 x 5.3 x 7.5 in.)

**WEIGHT:** 0.9 kg (2.0 lb)



Model 3276 with Model 44-9 Detector and Wall Mount

Right: Detail of Model 3276 LCD screen



### Model 44-9 Alpha-Beta-Gamma Radiation Detector

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

**WINDOW:** 1.7 ± 0.3 mg/cm<sup>2</sup> mica protected by 79% open stainless steel screen

#### WINDOW AREA:

- Active - 15.5 cm<sup>2</sup> (2.4 in<sup>2</sup>)
- Open - 12.3 cm<sup>2</sup> (1.9 in<sup>2</sup>)

**EFFICIENCY (4π):** <sup>14</sup>C - 5%; <sup>90</sup>Sr/<sup>90</sup>Y - 22%; <sup>99</sup>Tc - 19%; <sup>32</sup>P - 32%; <sup>239</sup>Pu - 15%; <sup>99m</sup>Tc - ≤ 1%; <sup>125</sup>I - 0.2%

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

**WEIGHT:** 0.5 kg (1 lb)