

# Model Digilert 100

Radiographic Survey Meters



**model**  
SE-DIGILERT 100

## Features:

- Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV is greater than 80%.
- Detects beta at 50 keV with typical 35% detection efficiency.
- Detects beta at 150 keV with typical 75% detection efficiency.
- Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the case.



## Digilert 100 Handheld Digital Radiation Alert® Detector

The Digilert 100 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of counts per minute (CPM) or mR/hr, or in accumulated counts. A red LED flashes and beeper sounds with each count detected and when the radiation reaches a user set alert level.

### Detector

Halogen-quenched GM tube with thin mica end window. Mica window density 1.5-2.0 mg/cm<sup>2</sup>. Effective window diameter is .360 inch. Side wall is .012 inches thick.

### Operating Range

mR/hr - .001 (1μR) to 110 mR/hr  
 μSv/hr - .01 to 1100  
 CPM - 0 to 350,000  
 CPS - 0 to 5000  
 Total/ Timer - 1 to 9,999,000 counts

### Accuracy

±10% typical (NIST), Typically ±15% of reading.

### Energy Sensitivity

1000 CPM/mR/hr referenced to Cs137

### Display

4-digit liquid crystal display with mode indicators  
 Display updates every 60 sec.

### Count Light

Red LED flashes with each count

### Audio Indicator

Sounds with each count (can be switched off for silent operation)

### Alert

Pulsating beeper sounds the alert  
 Three separate adjustable alert levels are used for mR/hr, CPM, μSv/hr

### Outputs

Dual miniature jack sends counts to CMOS-compatible devices, including computers, data loggers, and educational data collection systems. Submini jack provides audio output to an external earpiece, amplifier, or tape recorder