

Model K8

Personal Radiation Indicator

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

Features

- Solid State Detector
- Alarms at 100 $\mu\text{Sv/h}$ (10 mR/hr)
- Very Small
- Lightweight
- Includes Belt Clip
- Low Cost
- Rugged



Part Number: 51-2949

Application

- First Responders
- Law Enforcement
- Baggage and Cargo Handlers
- Transportation Personnel
- Firefighters and Emergency Services
- Hospital & Medical Labs
- Postal Workers

Introduction

The Model K8 is a solid state personal radiation detector designed for high performance and durability. Its small size, dark color, and high impact plastic casing provide an inconspicuous and durable level of protection to at-risk personnel. Permanently set alarms, both audible and visual, warn of radiation exposure.

This instrument is simple, ready-to-go, and rugged, with a quick response to low levels of radiation.

Specifications

DETECTOR: solid state

ENERGY RANGE: 30 keV to 6 MeV gamma

ALARM: preset at approximately 100 $\mu\text{Sv/h}$ (10 mR/hr), can be set at other levels if desired

ALARM INDICATION: Red LED and audible chirp (80 dB @ 10 cm [4 in.])

Can be turned ON or OFF

INDICATORS:

Green LED: indicates instrument is on and detecting radiation

Yellow LED: indicates low battery condition (12 hour warning)

Red LED: indicates alarm condition

POWER: 1 each lithium CR2032 battery

BATTERY LIFE: typically 1500 hours in normal background radiation levels

CONSTRUCTION: high-impact molded plastic housing

TEMPERATURE RANGE: -20 to 50 $^{\circ}\text{C}$ (-4 to 122 $^{\circ}\text{F}$)

SIZE: 39 x 25 x 13 mm (1.5 x 1.0 x 0.5 in.) (H x W x D)

WEIGHT: 13 g (0.5 oz), including battery