Model 3019 Digital Background Survey Meter



Radiation Detection for a Safer World

Features

- · Large Backlit LCD for Ease of Reading
- Autoranging Hands Free
- · Sigma Audio and Bright LED Simplifies Searching
- Light Weight and Ruggedly Built
- Splash-Resistant Construction for Outdoor Use
- 4-Button Intuitive Interface for Easy Operation
- All-Digital Calibration
- USB Port
- · Rate, Max, and Count Modes of Operation



Part Number: 48-4091

Introduction

The Model 3019 is Ludlum's lightweight, ergonomically-designed instrument with an internal detector used for gamma radiation survey for background to 500 μ Sv/hr (50 mR/hr). This instrument features alarm points that can be set through Setup Mode using the onboard keypad, or alternately via the optional software by USB connection. The Sigma Audio feature assists search efforts by responding with an audible alarm detected radiation outside the set parameters.

An internal switch is used to enable or disable the front-panel setup feature to protect desired settings from inadvertent modification. Setup is also available via software available from Ludlum Measurements. User-adjustable settings include calibration constant, dead time correction, efficiency, high voltage, pulse threshold, response time (fast or slow), count time, operational modes, HV current overload level, operational mode (Rate, Max, or Count), and minimum and maximum display levels. The user may also set Primary and Secondary units, unit alarm levels, count units, count alarm levels, and zero pulse protection time limit.

This instrument features a large, easily-readable LCD (liquid crystal display), a piercing audio warning tone, and easy, intuitive, user-friendly design. Splash-resistant construction allows the Model 3019 to be used outdoors. The unit body is made of lightweight, durable, high-impact plastic. The Model 3019 is shipped ready to use with batteries and calibration certificate.

Specifications

