

## RadCompass

### Features

- Directional radiation detector enables rapid localisation of radioactive sources
- Compact form factor fits in the palm of your hand
- Ring of 16 sunlight-viewable LEDs provides clear indication of source location relative to the device
- Sunlight-viewable display provides radiation dose rate and system information
- Simple, user-friendly keypad interface
- Wide dose rate operating range
- Powered by a single, field-replaceable 9V battery
- Rugged, weather resistant enclosure
- Mini USB provides option for external power and data output for integration with other systems



### Introduction

The RadCompass is a unique instrument, offering a compact, easy-to-use, low cost solution for radioactive source localization. This directional survey meter displays both gamma dose rate and 360° directional information and is an ideal tool for first-responders, military personnel, and industrial radiation surveyors.

The RadCompass uses an array of shielded radiation sensors to locate radioactive sources. The design supports the rapid localization of radioactive sources, even in high radiation fields. The multi-element sensor provides continuous directional information and does not require the user to scan the system from side to side or up and down in order to determine source location.

The 'Mode' button allows the user to easily switch pre-set counting times, as desired. The dose rate units can be easily toggled to display in  $\mu\text{Sv/h}$  or  $\mu\text{Rem/h}$ .



### Specifications

- **Sensor Type** Array of shielded gamma radiation sensors
  - **Dose Rate** Linear response, background to 10,000  $\mu\text{Sv/h}$  (1000 mRem/h)
  - **Size** 7.9 cm high x 7.6 cm diameter (3.1" high x 3" diameter)
  - **Weight** 865 grams (1.9 lb.)
  - **Battery** One user-replaceable, rechargeable 9V NiMH. Also compatible with common 9V alkaline battery. Run-time >12 hours.
- Temperature Range** -20 °C to +40 °C (-4 °F to +104 °F)