MIRION TECHNOLOGIES

ACCURAD

PERSONAL RADIATION DETECTOR

BACKGROUND

The AccuRad™ PRD is a Personal Radiation Detector (PRD) designed for law enforcement, fire and rescue, and other emergency responders to detect and interdict nuclear and radioactive materials. It also provides dose measurement and alarming capabilities for event response.


ALARM

A TECHNOLOGICAL FIRST

The AccuRad PRD is the first PRD ever to have directional radiation detection built-in to the device. Prior to AccuRad, First Responders had to hold the PRD in both hands and pull it into their chest, using their own body to shield the device from the radio-active source, and walk in small circles to determine its location. This required training and resulted in a high number of false positives. The AccuRad PRD uses eliminating the training load and reducing false positives.

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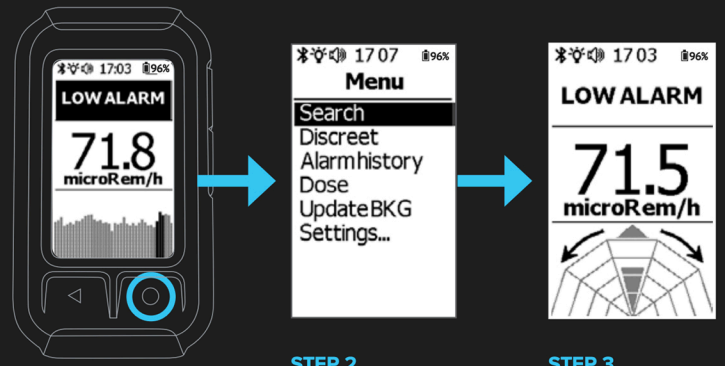
Enabling Search Mode

Search Mode via Menu



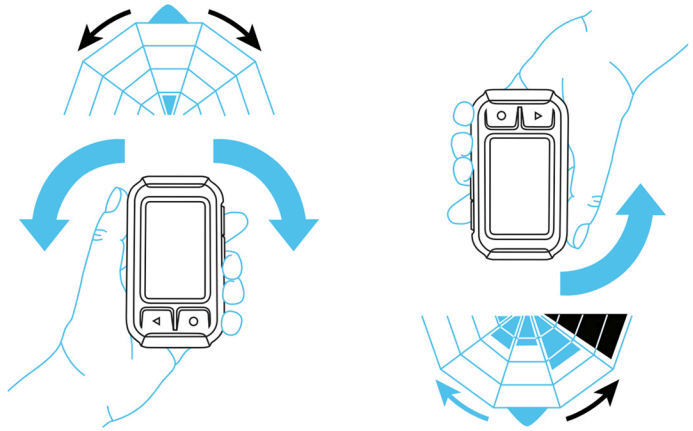
STEP 1
Press enter (O) button to access the menu

STEP 2
Press the enter (O) button again to begin Search mode

STEP 3
AccuRad PRD assists with locating the source

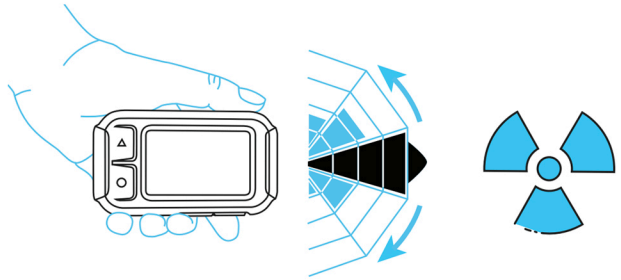
(See next page)

Using the Radar in Search Mode



STEP 1
Turn Left or Right
to build the radar sectors.

STEP 2
Sectors indicate source intensity versus direction.
Black sectors/arrows indicate the direction.



STEP 3
Go in the direction of the black sectors and arrows to localize the source.


15%
MENU
TURN BACKLIGHT ON
ALARM HISTORY
ALARM MODE
ENTER SEARCH MODE
ACCUMULATED DOSE
15%
SEARCH MODE
127
cps
15%
HAZMAT TEAM
9
microR/hr
Low Battery
MIRION
10:30AM
ALARM
1164
microR/hr
Call Supervisor
15%
MENU
TURN BACKLIGHT ON
ALARM HISTORY
ALARM MODE
ENTER SEARCH MODE
ACCUMULATED DOSE
15%
DOSE RATE DANGER ALARM
Dose Rate Alarm:
0.5 milliR/hr
CHANGE
Dose Rate Danger Alarm:
1.5 milliR/hr
CHANGE
15%
HAZMAT TEAM
9
microR/hr
Low Battery

BUILT TOUGH OR THE

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ALARM
1164
microR/hr
Call Supervisor


Call Supervisor
ALARM


ALARM
1164
microR/hr
Call Supervisor
10:30AM
MIRION


MIRION
10:30AM
ALARM
1164
microR/hr
Call Supervisor