

# Mini Rad-DX

Personal Radiation Detector



The all new **Mini Rad-DX** is the most advanced technology Personal Radiation Detector (PRD) on the market today. The Mini Rad-DX offers the exclusive SensorNet mesh network as well as the ability to be monitored system wide via WIFI to a central location, emailing or texting alerts to critical personnel.

The Mini Rad-DX has ability to display dose rates in mR/H or Sv/H units. There is also the option for the Mini Rad-DX to display in the familiar 1-9 intensity level. The Mini Rad-DX can be configured to measure and display accumulated exposure levels on the DX-View home screen or on the display of the device itself. Display and alarm thresholds are easily configured with the DX-View software. When the alarm thresholds are exceeded, a user selectable audible or vibrating alarm alerts the user immediately. The alarm can be acknowledged with a press of a button, but a visual warning remains until the device is reset.



What is **SensorNet Mesh Networking**? It is the ability for all enabled units to communicate to one another while passing along data to a central depository. Once the Mini Rad-DX comes within range of another Mini, or a Rad-DX Area Monitor, the units mesh together and act as transceivers and receivers and push the data to the DX View software or other remote monitoring software. With the GPS enabled, it is possible to know the exact coordinates of the 'event', device, or monitoring situation. Because the Mini Rad-DX can perform all these functions automatically, there is never any interference with the user's primary responsibilities.

## DX-View & SensorNet™

# Mini Rad-DX

## FEATURES

- SensorNet Enabled
- Everything in REAL TIME!
- User friendly – if you can read this, you can use the Mini Rad-DX
- Works in all weather and temperatures
- Rechargeable battery for long life
- Rugged – can be dropped from 3 feet
- Configurable alarms
- Optional 1 – 9 display
- Bright display, visible day and night



## SPECIFICATIONS

Detector:	6 cm <sup>3</sup> CsI (Na) scintillation crystal with PMT
Energy Range:	59 keV - 2 Mev
Dose Rate Range:	1 uR/hr - 70 mR/hr (.01 uSv/Hr – 1 mSv/Hr)
Dose Range:	1 uR – 1,000 Rem (.01 uSv – 10 Sv)
Response Time:	Less than 1 second
Alarms:	Audible – 85 dBA visual and vibrating
DR Linear Error:	< 20%
Data Storage:	Up to 40,000 recorded samples and events
Display:	Color LCD on face OLED on top; optional 1-9 setting
Power:	Rechargeable Lithium Ion Polymer Battery; USB charger
Operating Time:	±130 hours; reduced display brightness, limited radio transmission
Dimensions:	4.2" x 2.4" x 1.2" (107mm x 62mm x 31mm)
Weight:	6.1 oz. (180 g)
Environment:	Driving Rain -10° F to 122° (-23° C to 50° C) 95% humidity at 35° non-condensing 3 ft (91 cm) drop onto concrete Operates in high RF environments IP 65 Compliant as described in IEC529
Warranty	Two (2) Years
Communication:	SensorNet Mesh Network, USB
Regulatory	Meets FCC and CE requirements Meets ANSI N42 <sup>(2)</sup> and N42.33 Req

Position/dose logs will automatically upload in real-time, allowing a dose rate map to be maintained in real time on a PC or tablet. A Mini Rad-DX can be set to upload log data automatically when it enters the network. A Mini Rad-DX can be set to read the logs of other devices in range. This means only one Mini Rad-DX has to return to the home network to upload the entire team's logs.

