## EagleEYE Personal RAD Detector (PRD)

The EagleEYE couples a detector with unmatched sensitivity with the most userfriendly displays and interface that makes this device not only highly effective, but also fun to use. Even experienced PRD users will be amazed at the incredible sensitivity, information, and user configurability it provides.

Another great feature is its ability to communicate over RADConnect, a mesh type network for remote viewing. RADConnect allows up to 50 other EagleEYE units and/or other RADConnect enabled radiation detection devices to all connect in real-time so all radiation level and alarms can be viewed and logged. The EagleEYE is also equipped with an internal GPS so it can additionally report its longitude and latitude.

The EagleEYE incorporates two separate displays; one on the front for viewing all data and editing parameters, and a second top mounted, bight OLED that displays the rad level for easy viewing when worn on a belt or in a breast pocket. The large, front mounted, high resolution LCD is accompanied by a rocker wheel interface and two buttons that enables users to easily access device data and make user-preferred changes. This interface is by far the easiest and most intuitive on the market today and does not leave users lost in a series of deeply nested menus like so many other makes and models.

## **FEATURES:**

- Highly Sensitive Csl Detector
- Dual Displays
- Intuitive User Interface
- RADConnect Enabled
- Built-In GPS
- Audio/Visual/Vibration Alarms
- Small, Lightweight, Rugged





## EagleEYE SPECIFICATIONS:

DETECTOR   6 cm³ Csl(Na) SCINTILLATOR WITH PMT     SENSITIVITY   1.93 cps/µR/hr (193 cps/µSv/hr) Cs <sup>137</sup> DETECTOR SPEED   1 SECOND     ENERGY RANGE   50 keV - 3 MeV     DOSE RATE RANGE   1 µR/hr - 80 mR/hr (0.01 µSv/hr - 0.7 mSv/hr)     DOSE RATE RANGE   1 µR/hr - 80 mR/hr (0.01 µSv/hr - 0.7 mSv/hr)     DOSE RATE RANGE   LESS THAN ± 20% Cs <sup>137</sup> ALARMS   AUDIBLE/VISUAL/VIBRATION     ALARM VOLUME   > 85 dB at 30 CM     DISPLAY   TRANSFLECTIVE TFT LCD     DISPLAY UNITS   R/hr, Sv/hr, CPS (AUTO-RANGING)     OPERATOR INPUT   ROCKER WHEEL INTERFACE     COMMUNICATION   RADConnect MESH NETWORK     POWER   LITHIUM ION RECHARGEABLE BATTERY     BATTERIE LIFE   = 130 HRS     TEMPERATURE   5 - 95% NON-CONDENSING     HUMIDITY RANGE   5 - 95% NON-CONDENSING     DIMENSIONS   4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)     WEIGHT   6.1 oz (172.9 G)     ENVIRONMENT   IP65 RATED		
DETECTOR SPEED 1 SECOND   ENERGY RANGE 50 keV - 3 MeV   DOSE RATE RANGE 1 µR/hr - 80 mR/hr (0.01 µSv/hr - 0.7 mSv/hr)   DOSE RATE RESPONSE LESS THAN ± 20% Cs <sup>137</sup> ALARMS AUDIBLE/VISUAL/VIBRATION   ALARM VOLUME > 85 dB at 30 CM   DISPLAY TRANSFLECTIVE TFT LCD   DISPLAY R/hr, Sv/hr, CPS (AUTO-RANGING)   OPERATOR INPUT CONTROLS ROCKER WHEEL INTERFACE   COMMUNICATION RADConnect MESH NETWORK   POWER LITHIUM ION RECHARGEABLE BATTERY   BATTERIE LIFE ≈ 130 HRS   TEMPERATURE RANGE (-4°F) -20° C TO (140° F) 60°C   RANGE 5 - 95% NON-CONDENSING   DIMENSIONS 4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)   WEIGHT 6.1 oz (172.9 G)	DETECTOR	6 cm <sup>3</sup> CsI(Na) SCINTILLATOR WITH PMT
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DOSE RATE RANGE 1 µR/hr - 80 mR/hr (0.01 µSv/hr - 0.7 mSv/hr)   DOSE RATE RESPONSE LESS THAN ± 20% Cs <sup>137</sup> ALARMS AUDIBLE/VISUAL/VIBRATION   ALARM VOLUME > 85 dB at 30 CM   DISPLAY TRANSFLECTIVE TFT LCD   DISPLAY UNITS R/hr, Sv/hr, CPS (AUTO-RANGING)   OPERATOR INPUT CONTROLS ROCKER WHEEL INTERFACE   DISPLAY RADConnect MESH NETWORK   POWER LITHIUM ION RECHARGEABLE BATTERY   BATTERIE LIFE ≈ 130 HRS   TEMPERATURE RANGE (-4°F) -20° C TO (140° F) 60°C   RANGE 5 - 95% NON-CONDENSING   DIMENSIONS 4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)   WEIGHT 6.1 oz (172.9 G)	DETECTOR SPEED	1 SECOND
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RESPONSE   AUDIBLE/VISUAL/VIBRATION     ALARMS   AUDIBLE/VISUAL/VIBRATION     ALARM VOLUME   > 85 dB at 30 CM     DISPLAY   TRANSFLECTIVE TFT LCD     DISPLAY UNITS   R/hr, Sv/hr, CPS (AUTO-RANGING)     OPERATOR INPUT CONTROLS   Rocker WHEEL INTERFACE     DISPLAY   ROCKER WHEEL INTERFACE     DISPLAY   RADConnect MESH NETWORK     POWER   LITHIUM ION RECHARGEABLE BATTERY     BATTERIE LIFE   ≈ 130 HRS     TEMPERATURE RANGE   (-4°F) - 20° C TO (140° F) 60°C     HUMIDITY RANGE   5 - 95% NON-CONDENSING     DIMENSIONS   4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)     WEIGHT   6.1 oz (172.9 G)	DOSE RATE RANGE	1 μR/hr – 80 mR/hr (0.01 μSv/hr – 0.7 mSv/hr)
ALARM VOLUME > 85 dB at 30 CM   DISPLAY TRANSFLECTIVE TFT LCD   DISPLAY UNITS R/hr, Sv/hr, CPS (AUTO-RANGING)   OPERATOR INPUT CONTROLS ROCKER WHEEL INTERFACE   COMMUNICATION RADConnect MESH NETWORK   POWER LITHIUM ION RECHARGEABLE BATTERY   BATTERIE LIFE ≈ 130 HRS   TEMPERATURE RANGE (-4°F) -20° C TO (140° F) 60°C   HUMIDITY RANGE 5 - 95% NON-CONDENSING   DIMENSIONS 4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)   WEIGHT 6.1 oz (172.9 G)		LESS THAN ± 20% Cs <sup>137</sup>
DISPLAYTRANSFLECTIVE TFT LCDDISPLAY UNITSR/hr, Sv/hr, CPS (AUTO-RANGING)OPERATOR INPUT CONTROLSROCKER WHEEL INTERFACEOPERATOR INPUT CONTROLSROCKER WHEEL INTERFACECOMMUNICATIONRADConnect MESH NETWORKPOWERLITHIUM ION RECHARGEABLE BATTERYBATTERIE LIFE≈ 130 HRSTEMPERATURE RANGE(-4°F) -20° C TO (140° F) 60°CHUMIDITY RANGE5 - 95% NON-CONDENSINGDIMENSIONS4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)WEIGHT6.1 oz (172.9 G)	ALARMS	AUDIBLE/VISUAL/VIBRATION
DISPLAY UNITSR/hr, Sv/hr, CPS (AUTO-RANGING)OPERATOR INPUT CONTROLSROCKER WHEEL INTERFACEROCKER WHEEL INTERFACEImage: Communication of the second seco	ALARM VOLUME	> 85 dB at 30 CM
OPERATOR INPUT CONTROLSROCKER WHEEL INTERFACEImply formed and the second se	DISPLAY	TRANSFLECTIVE TFT LCD
CONTROLSROCKER WHEEL INTERFACECOMMUNICATIONRADConnect MESH NETWORKPOWERLITHIUM ION RECHARGEABLE BATTERYBATTERIE LIFE≈ 130 HRSTEMPERATURE RANGE(-4°F) - 20° C TO (140° F) 60°CHUMIDITY RANGE5 - 95% NON-CONDENSINGDIMENSIONS4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)WEIGHT6.1 oz (172.9 G)	DISPLAY UNITS	R/hr, Sv/hr, CPS (AUTO-RANGING)
POWERLITHIUM ION RECHARGEABLE BATTERYBATTERIE LIFE $\approx$ 130 HRSTEMPERATURE RANGE $(-4^{\circ}F) - 20^{\circ} C TO (140^{\circ} F) 60^{\circ}C$ HUMIDITY RANGE $5 - 95\%$ NON-CONDENSINGDIMENSIONS $4.21"$ L x $2.44"$ W x $1.22"$ D (107 mm x $62mm$ x $31 mm)$ WEIGHT $6.1$ oz (172.9 G)		ROCKER WHEEL INTERFACE
BATTERIE LIFE $\approx$ 130 HRSTEMPERATURE RANGE $(-4^{\circ}F) - 20^{\circ} C$ TO $(140^{\circ} F) 60^{\circ}C$ HUMIDITY RANGE $5 - 95\%$ NON-CONDENSINGDIMENSIONS $4.21"$ L x $2.44"$ W x $1.22"$ D $(107 \text{ mm x 62mm x 31 mm})$ WEIGHT $6.1 \text{ oz } (172.9 \text{ G})$	COMMUNICATION	RADConnect MESH NETWORK
TEMPERATURE RANGE   (-4°F) -20° C TO (140° F) 60°C     HUMIDITY RANGE   5 - 95% NON-CONDENSING     DIMENSIONS   4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)     WEIGHT   6.1 oz (172.9 G)	POWER	LITHIUM ION RECHARGEABLE BATTERY
RANGE   (11) 10 0 10 (110 1) 00 0     HUMIDITY RANGE   5 - 95% NON-CONDENSING     DIMENSIONS   4.21" L x 2.44" W x 1.22" D (107 mm x 62mm x 31 mm)     WEIGHT   6.1 oz (172.9 G)	BATTERIE LIFE	≈ 130 HRS
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WEIGHT 6.1 oz (172.9 G)	HUMIDITY RANGE	5 - 95% NON-CONDENSING
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ENVIRONMENT IP65 RATED	WEIGHT	6.1 oz (172.9 G)
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