# EagleEYE Personal RAD Detector  (PRD)

EagleEYE è un PRD (Personal RAD Detector) con un rilevatore di altissima sensibilità, dotato di visualizzazioni  e interfacce molto intuitive,  che rendono questo dispositivo non solo altamente efficace, ma anche divertente da usare.

Il Rivelatore è un CsI accoppiato ad un vero fotomoltiplicatore ed  insieme  permettano di avere una sensibilità da 193 cps/µSv/hr.

Il Dosimetro si presenta con due schermi luminosi ad alta risoluzione; l'utente può ottenere le informazioni dettagliate (come il rateo di Dose, la Dose totale e  il Grafico dell'andamento del rateo)  e regolare le impostazioni dallo schermo anteriore e visualizzare sullo schermo superiore le informazioni critiche, utili specialmente quando è portato in tasca o appeso a una cintura.

Un'altra caratteristica importante è la sua capacità di comunicare su RADConnect, una rete di tipo mesh per la visualizzazione remota. RADConnect consente di collegare fino a 50 altre unità EagleEYE e/o altri dispositivi di rilevamento della radiazione abilitati a RADConnect in tempo reale, in modo che tutti i livelli di radiazioni e gli allarmi possano essere visualizzati e registrati. EagleEYE è inoltre dotato di un GPS interno in modo che possa inoltre segnalare la sua posizione. Ovviamente tutti questi dati sono gestiti da un software specifico su PC..



## FEATURES

Portable dose rate detector with integrated network capability Small, lightweight, and rugged with a rubberized grip Remote monitoring by PC, smartphone, or tablet D-tect SensorNet (mesh network) equipped - automatic connections between all Rad-DXs and MiniRad-DXs within 1000 m Sends email alerts within 2 seconds when radiation is detected.

No device docking necessary to recover logs - automatically uploads detection logs wirelessly Real-time dose rate graph

### RADIATION DETECTION

The MiniRad-DX product is part of D-tect System's growing line of radiation detection products which communicate with one another using a mesh network.
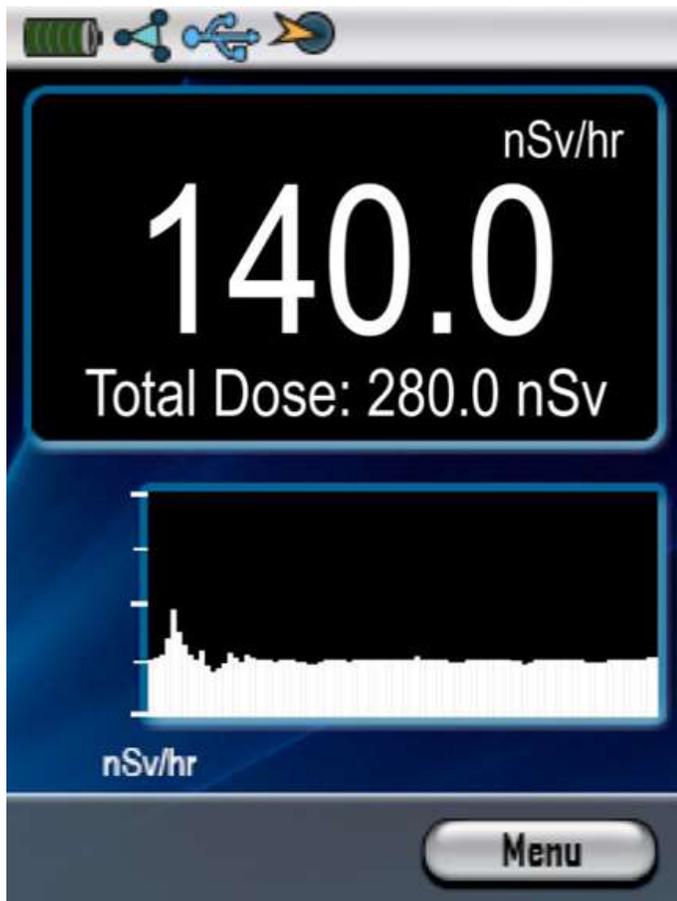
This device is the mobile offering in our Rad-DX product line. The MiniRad-DX is compact, rugged and just as sensitive as its stationary counterpart. The sturdy plastic housing and grippable rubber molding allow the device to be used in a wide variety of environments.

## MESH COMMUNICATION

The MiniRad-DX operates on the D-tect SensorNet - automatic communication network that allows a use monitor and oversee a network of Rad-DX devices simply being within range of a single Rad-DX dev Rad-DX and MiniRad-DX units will automatically form intelligent, self-healing mesh network, allowing them to constantly connected to each other as well as to the u network.

The network is encrypted, allowing monito only by approved personnel.

Two displays: one bright full-color LCD screen and one bright OLED screen Integrated GPS tracking in each MiniRad-DX Detector uses an integrated PMT, which provides greater sensitivity across a wider temperature range than photodiode-based detectors Real-time command monitoring of current status, GPS locations and alarms of a whole network of MiniRad-DX units.

## SPECIFICATIONS

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|---|---|
| Radiation Detector | 6 cm³ CsI scintillation crystal with integrated Photomultiplier Tube (PMT) |
| Communication | D-tect SensorNet mesh network, USB |
| Power | Lithium Ion Battery (Rechargeable) |
| Battery Life | 130 hrs (depending on options selected) |
| Detection Speed | 1 second |
| Energy Range | 50 keV - 3 MeV |
| Dose Rate Range | 1 μrem/hr - 70 mrem/hr (0.01 μSv - 0.7 mSv/hr) |
| Dose Rate Response ( Cs) | Less than 20% |
| Sensitivity ( Cs) | 1.93 cps/μrem/hr (193 cps/μSv/hr) |
| Dimensions | 62 mm x 31 mm x 107 mm (2.44" x 1.22" x 4.21") |
| Weight | 172.9 g (6.1 oz) |
| Environment | IP65 rated |
| Temperature Range | -20 to 50 °C |
| Units | (μ - m)rem/hr, (n - m)Sv/hr, CPS |
| Regulatory | FCC and CE Compliant Designed to meet ANSI 42.32 and 42.33 |



## INTUITIVE DISPLAYS

Equipped with two bright, high resolution display screens, the user can get detailed information and adjust settings from the front screen and view critical information on the top screen even when it is holstered and hanging on a belt or pocket.

## REMOTE MONITORING

There are two options for monitoring a network of MiniRad-DX and Rad-DX units: The PC-based DX-View runs locally and the internet-based DX-Dashboard which can be used on PCs, Apple and Android smart phones and tablets to monitor the network anywhere there is internet accessibility. DX-Dashboard can also be configured behind a firewall to support secure closed networks with no access to the internet.

## VERSATILITY

Each MiniRad-DX can act as a standalone radiation detector with audio and vibration alarms. Device information can be found using the Menu screen directly. Once the MiniRad-DX comes within range of its mesh network, it will automatically upload data to the DX-View or DX-Dashboard software program through the device connected to a PC.



**Active Radsys**

www.activeradsys.it info@activeradsys.it
Tel: 0544 408071 Fax: 0544 201477