AIR FORENSICS

AERIAL RADIATION & CHEMICAL DETECTION SYSTEM DroneSENSORTM Series

Model ~ DroneRAD-ST™ (Search Tool or Mapping) - Gamma

Model ~ DroneRAD-P[™] (Air Monitor & Plume Detector): Particulate – Alpha, Beta, Gamma & Airborne Chemicals

DroneSENSOR™ THE ULTIMATE TOOL FOR FIRST RESPONDERS©



ADVANCED DRONE QUADCOPTER FLIGHT PLATFORM

SITUATION:

Cameras & thermal sensors are popular applications for **UAV** technology.

Data collection by UAVs is a great advance.

NOW take personnel out of harm's way in radiation & Chemical detection.

DroneRAD™

<u>DroneRAD™</u> System

Includes:

Advanced Flight Platform

QUADCOPTER

Controllers

DroneRADTM Detector System
Hard Shell Case for DroneRADTM
System

Optional: Training







Divisions of USNuclear Corp

OTCQB - UCLE

FEATURES DroneRAD™ Detector System

EASY INSTALLATION DroneRAD-ST™ & DroneRAD-P™

- CONTINUOUS CHECK MONITORING
- RUGGED, SPLASH PROOF
- WIDE RANGE COVERED
- GPS
- BATTERY OPERATED
- ONBOARD DATA STORAGE SERIAL PORT
- ENGINEERING UNITS USER SPECIFIED
- UNIQUE DATA COLLECTION SOFTWARE INCLUDED
- ELECTRONICS BASE STATION:

LAPTOP DroneRAD-ETM

- RS-232 PORT / OPTIONAL: USB PORT
- WIRELESS IN FLIGHT INTERFACE
- OPTIONAL: ALARM
- OPTIONAL: ENHANCED GPS
- DETECTOR: IP64
- ELECTRONICS: IP 63

DroneRAD-ST™

- GAMMA DETECTION
- SENSITIVE: 0.05 μR/HR to 2,000 R/hr
- > OPTIONAL: ISOTOPE IDENTIFICATION
 - MCA
- > OPTIONAL: NEUTRON DETECTION
- > **OPTIONAL:** 2"x 1" LaBr PROBE
- > OPTIONAL: GAMMA
 - TELESCOPE/COLLIMATOR FOR PRECISELY LOCATING A SOURCE

DroneRAD-P™

- > ALPHA, BETA, GAMMA, C-14 DETECTION
- SENSITIVTY 1 x 10⁻¹⁰ TO 1 X 10⁻⁵ μCi/cc (OR Ci/m³) - DEPENDS ON COUNT TIMES
- ➤ BUILT-IN MINI AIR PUMP 3 LPM
- > BUILT-IN FLOW METER
- QUICK CHANGE FILTER
- MULTIPLE SPECIALIZED FILTER MEDIA ACCEPTABLE
- SNIFFER HOSE 3 FEET or USER SPECIFIED
- USB or OPTIONAL ETHERNET INTERFACE
- RECORDS CHANGES IN AIRBORNE CONCENTRATION BY LOCATION
- OPTIONAL: ALPHA SPECTRUM DETECTOR
- OPTIONAL AUTOMATIC ADJUSTMENT OF ALPHA SPECTRUM BASED ON ELEVATION
- OPTIONAL RADIATION PLUME MAPPING DATA SOFTWARE FOR POST-FLIGHT EVALUATION





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FEATURES DroneRAD™ Detector System

DESCRIPTION:

DroneRAD-STTM:

- Measures Gamma & X-Ray radiation & **OPTIONAL** Neutron levels.
- OPTIONAL downward looking Gamma & Fast Neutron spotters are available for building and facility air surveillance.
 - OPTIONAL: Isotope identification.

DroneRAD-PTM:

Measures radiation levels of Alpha, Beta, Gamma for airborne gases and particulates.

SELECT THE DroneRAD PACKAGE

EASILY MOUNT THE DroneRAD DETECTOR System.

APPLICATION:

DroneRAD-ST

- Ground-based Gamma source detection
- Cosmic ray and solar wind measurements

DroneRAD-P

Airborne radioactive plume mapping (Alpha, Beta, Gamma)

DATA:

DroneRAD-ST

Gamma Spectra, from NaI or LaBr detector. **OPTIONAL MCA**

DroneRAD-P

Alpha, Beta Gamma Particulate plume concentration

DroneRAD-ST & DroneRAD-P

- Dose Rate
- Data points & time are logged with GPS coordinates.
- Data storage of both Spectra & Dose Rate ~

DroneRAD-ST

Particulate Levels. ~ DroneRAD-P

DroneRAD-P

Air Pump, Filter Holder &

Detector





DroneRAD-ST & DroneRAD-P **DETECTOR FLIGHT PACKAGE**





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7051 Eton Ave., Canoga Park, CA 91303 818-883-7043 (Phone) 818-883-6103 (Fax) SAHIL @usnuclearcorp.com

WWW.TECH-ASSOCIATES.COM



DroneRAD™ Detector System

DESCRIPTION:

DroneRAD-ST™

- Quantify Isotopes
- OPTIONAL: Identify Isotopes MCA
- GPS & Optional Mapping Software Provides Site Identification

DroneRAD-P™

- Measures levels of airborne gases & Particulates: Alpha, Beta, Gamma, C-14
- Plume mapping with unique software

| ON BOARD – DroneRAD-ST™ |
|--|
| DETECTOR : 2" x 2" NaI(TI) Gamma Scintillator |
| OPTIONAL: 2"x 1" LaBr PROBE |
| Electronics: |
| Pre Amp |
| High Voltage |
| OPTIONAL: 1000+ Channel MCA |
| Microprocessor |
| Transmitter |
| Battery Pack |
| Camera |
| GPS |

| ON BOARD – DroneRAD-P™ |
|--|
| DETECTOR : 1" diameter Thin Window GM |
| Electronics: |
| Pre Amp |
| High Voltage |
| Counter |
| Air Pump – 3 lpm |
| Flow Meter |
| Transmitter |
| Particulate Filter |
| Flow Meter |
| Battery Pack |
| Camera |
| GPS |









SENSOR INFORMATION

DroneRAD™ Detector System

SENSORS TYPES:

GM, Nal, LaBr, Chemical & Biological Sampling

DroneRAD-P: Simultaneous measurement of plume for Alpha & Beta Particulates, and aerosols

Filter Media: Paper, Charcoal

Data Units: Bq/m3 or μCi/liter (User selectable at time of purchase.)

Tagged with GPS, and flight path

DroneRAD-ST & ST-ID: Gamma sources

Data Units: cps, or mSv/h, (User selectable at time of purchase.)

Tagged with GPS, and flight path

Modes of Operation:

- 1) **PLUME SNIFFER DRONERAD-P:** Fly the UAV through a plume; dual mode real-time data download and visual display of accumulated radioactive material on a filter (paper for particulates; charcoal for lodine); **return to base** for further 'before/after' data analysis of filter paper.
- 2) **SEARCH TOOL DRONERAD-ST:** Fly and transmit in real-time counts-per-second (cps) or mSv/h data up to 5 datapoints per second.

Viewing and plotting the data in real time during the flight with color coding or perform data download after flight on an aerial map using a color-coded limit scale via software.

- 3) **SEARCH TOOL DRONERAD-ST-ID:** When the ST-ID detector is in use transmit and display an MCA spectrum in real time. With a very hot source isotope identification is possible.
- 4) **Waypoint Data Taking:** Data can be transmitted in real time during flight or stored on the drone (56 waypoints) for download after flight.

Data is databased by site, region, type of radiation measured, and survey index. Graphing and trending can be done on the data.

5) **Chemical Sensor Data:** Fly UAV with up to 5 sensors (designated from a list of over 20 chemical options at time of purchase) per flight.

Data is transmitted and plotted in real-time during flight and stored in files that can be replotted or imported into other software.

DroneRad Software Telemetry Radios: 433MHz or 915 MHz;stated maximum range of 1 mile with a clear line of sight. Results may vary due to environment, terrain and buildings.





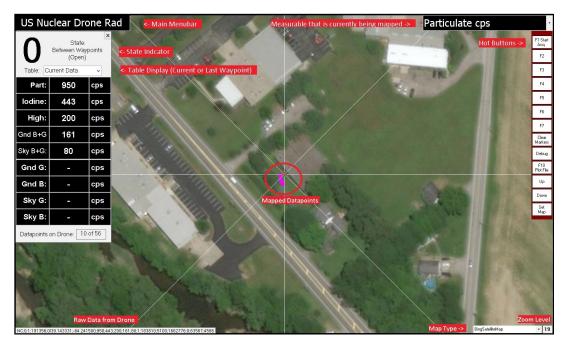




AERIAL RADIATION & CHEMICAL DETECTION SYSTEM SENSOR INFORMATION

DroneRAD™ Detector System

SCREEN SHOT SAMPLES OF SOFTWARE DATA



View of Software's Main Screen. The software is controlled using the 'hot buttons' on the right.





Sensors transmit in real-time counts-per-second (cps) or mSv/h data up to 5 datapoints per second.

Viewing and plotting the data in real time during the flight with color coding or perform a data download after flight on an aerial map using a color-coded limit scale via software.





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AERIAL RADIATION & CHEMICAL DETECTION SYSTEM SENSOR INFORMATION

DroneRAD™ Detector System

The Software Allows Repeated Measurements and Databasing.





Figure 1 - By Region

Figure 2 - Trending

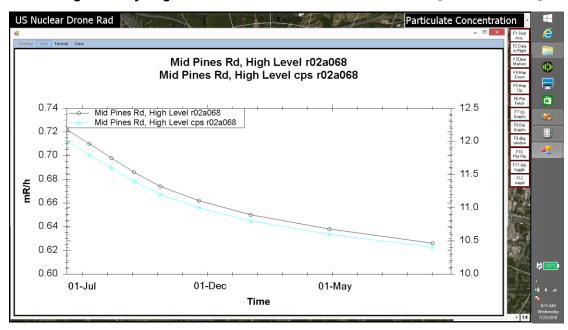


Figure 3 - Graph

The software accommodates *repeated measurements* and *databasing* within sub-regions that the user can define (Figure 1) which allows trending (Figure 2) and graphing (Figure 3) of the history of the data.

All data is indexed by region, sub-region, survey number, and quantity measured. The data is also store in files that can be imported into other software.





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FEATURES

DroneRAD™ Detector System

DESCRIPTION: DroneRAD-PTM

- The **Drone-RAD-P** uses standard or charcoal filters in TA's unique quick change, no leak holders to trap any airborne radio-nuclides. The filter is under constant surveillance via a GM detector.
- > Air is drawn by a high volume pump through the filter and exhausted through an optional hose.

Power is controlled by a rocker switch.

SPECIFICATIONS: DroneRAD-P™

Air Flow Pump: Miniature 1-3 Liter/min Pump and Filter holder.

Range: 1 x 10^{-10} to 1 x 10^{-5} μ Ci/cc (or Ci/m³) (Depends on count time)

Air Flow Meter: Displays flow rate 0.5 - 3.0 LPM.

Filters: Includes package of 100 glass Fiber and 10 charcoal filter papers.

(Can also use membrane filters.)

OPTIONAL: Sniffer Hose: Up to 3 Feet

Case: Air Pump & Detector housed in polished blue aluminum.

Weight & Dimensions:

Pump & Detector Assembly: 1.75" Diameter x 8.5" Long

NOTE: Supplied with 10 charcoal and 100 glass fiber filter disks.

| Detector: | T-1210 GM Tube |
|--|-----------------------------------|
| Window: | Mica 1.5 - 2.0 mg/cm ² |
| Detector: Radiation | Alpha, Beta, Gamma |
| Biological Hazards: | User Specific Filter |
| Chemical Hazards: | User Specific Filter |
| lodine: | Carbon Filter |
| Detects Particulates: | YES |
| Detects Aerosol & Reactive Gases*: | YES |
| Filter: Glass Fiber - | YES |
| Charcoal Filter Paper- 1" dia | YES |
| Iodine Sensitivity: (30 min) | 5 x 10 ⁻⁸ μCi/cc |
| Public Release: (1 x 10 ⁻¹⁰ µCi/cc) | 10 Hour exposure |
| Detects all airborne activity EXCEPT - H-3,Fe-55 and Noble Gases | YES |









AERIAL RADIATION DETECTOR SENSITIVITY

DRONERAD-ST[™] PERFORMANCE with NO SHIELDING Using Cs137 & 2" Nal(TI) Detector

- 1 Curie Cs-137 source is 0.38184 Rem/hr at 1 meter (3.8184E5 μRem/hr)
- 2 inch diameter (2 inches thick) Nal(Tl) Detector sensitivity to Cs-137 is 900 cpm per μR/hr.
- Typical background at 10 uR/hr induces a count rate of about 9,000 cpm in an unshielded detector.

| For good MDA a 60 second Background count time is recommended. | | | 4.65 (9,000)1/2 | 441 cpm | |
|---|--|------------------|---------------------------------------|-----------------------------------|---|
| | | | RADIATION LEVEL FOR 1 Ci Cs-137 | COUNT RATIO FOR 1 Ci Cs-137 | |
| DRONE ALTITUDE | | ABOVE BACKGROUND | | EASILY DETECTABLE | |
| 500 Meters (1,640 feet) above the ground. The cone of sensitivity is essentially infinite and the inverse square rule dominates the detection capability. | | | | | 0.33 Ci if detector is directly over the source |
| 500 Meters | | 0.015 μSv/hr | 1.5 µR/hr | 1,350 cpm | 0.33Ci |
| 250 Meters | | 0.06 μSv/hr | 6.1 µR/hr | 5,490 cpm | 80 mCi |
| 100 Meters | | 0.38 μSv/hr | 38.2 µR/hr | 34,380 cpm | 12.8 mCi |
| 50 Meters | | 1.527 μSv/hr | 152.7 μR/hr | 137,430 cpm | 3.2 mCi |
| 30.48 Meters | | 4.11 μSv/hr | 411.0 µR/hr | 369,900 cpm | 1.2 mCi |
| | | | 10 μCi Cs-137 | 10 μCi Cs-137 | |
| 1 Meter | | 0.0382 μSv/hr | 3.82 µR/hr | 3,438 cpm | 10 μCi |

- These calculations are based upon a 2 inch by 2 inch Nal(Tl) detector.
- The 2 x 2 Nal(Tl) detector's (standard) sensitivity, Gamma emitters: 50 KeV to 1.3 MeV ± 15% for Curies detected.
- Overall energy range 40 KeV to 5 MeV
- Other sizes and materials of detectors are available. LaBr has about a 30% higher efficiency and much better energy resolution than a Nal(Tl) detector.
- A 1 x 1 inch Nal(Tl) detector or a 3 x 3 inch Nal(Tl) detector are also available.
- Gamma range available 0.05 uR/hr tp 2,000 R/hr.





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FEATURES DroneRAD™ Detector System

| December A DTM CDOLIND | CTATION ELECTRONICO | ODTIONS |
|------------------------|---------------------|---------|
| Dronekan''' (4KOUND | STATION FLECTRONICS | OPTIONS |

GROUND STATION INCLUDES:

DRONERAD-E Electronics

DroneRAD-E Software

LAPTOP

ELECTRONICS - DroneRAD-E

Transponder

Amplifier & Signal Conditioner

Data Archive & Retrieval

Power: Rechargeable Battery Pack

Spectrum Receiver – **DroneRAD-ST**

USB Port & Cable

OPTIONAL: Alarm: Audio / Visual (User Settable)

OPTIONAL: Isotope Identification MCA – **DroneRAD-ST-ID**

OPTIONAL: Mapping Software for Post Flight Evaluation









DroneSensor™ Detector System

AERIAL RADIATION PLUME DETECTORS:

DroneRAD-P[™] SERIES OPTIONS:

| TYPICAL SYSTEM - (1) DETECTOR & (1) FILTER SYSTEM | | | |
|--|--|----------------------------------|---|
| DRONERAD-P-T | (1) THIN WINDOW GM DETECTOR | (1) PARTICULATE FILTER DISC | DETECTS ALPHA, BETA, GAMMA TOGETHER |
| DUAL DETECTOR SYSTEM - (2) DETECTORS & (2) FILTER SYSTEM | | | |
| DRONERAD-P -2 | (1) THIN WINDOW GM DETECTOR | (1) PARTICULATE FILTER DISC | DETECTS PARTICULATES & ALPHA, BETA, GAMMA, C-14 TOGETHER |
| DRONERAD-P -I | (1) THIN WINDOW GM DETECTOR | (1) CHARCOAL FILTER CARTRIDGE | DETECTS IODINE |
| ALPHA - (1) DETECTOR & (1) FILTER SYSTEM | | | |
| DRONERAD-P -A | (1) ALPHA SCINTILLATION DETECTOR (ZnS) | (1) PARTICULATE FILTER DISC | DETECTS ALPHA EMITTERS |

AERIAL CHEMICAL PLUME DETECTORS:

DroneCHEM SERIES OPTIONS:

| MODEL | TYPE OF CHEMICAL DETECTION | | |
|--------------------------------|---|--|--|
| DRONECHEM | Various Airborne Chemical Agents | | |
| DRONECHEM-FX | Airborne Methane with A Flow Through Detector | | |
| DRONECHEM-LX | Airborne Methane with A Laser Detector – No Air Pump | | |
| DRONECHEM-WDE (908) | Warfare, Drugs, Explosives, Nerve Gas, Other Chemical Agents | | |
| DRONECHEM-2-IWC (CHEM-PROX) | Irritants, Warfare, Chemicals, Nerve Gas, Other Chemical Agents | | |
| CLIMATE DRONE METHANE | Dual Detector System Airborne Methane with A Laser Detector - DRONECHEM-LX Airborne Methane with A Flow Through Detector - DRONECHEM-FX | | |
| DRONECHEM-WW | Airborne Methane | | |

| MODEL | PUMP AIR FLOW | APPLICATION |
|---------|---------------------|----------------------------------|
| TYPICAL | 3 lpm (0.1 cfm) | Air Monitor: Detector and Filter |
| SAM | 40 cfm (1132.6 lpm) | Air Sampler: Filter Only |









CHEMICAL SENSORS - Additional Chemical Detection Is Available Per Request

CO Carbon Monoxide VOC Diesel

NO2 Nitrogen Dioxide LEL

SO2 Sulfur Dioxide CH4 – MethaneCl2 Chlorine NH3 – Ammonia

CO2 Carbon Dioxide H2S - Hydrogen Sulfide

O2 Oxygen O3 - Ozone
Fine Particulates Explosives
CWAs (Chemical Warfare Agents Drugs

Irritants Temperature & Relative Humidity

SAMPLE OF AVAILABLE CHEMICAL DETECTORS:



DRONECHEM-FX
METHANE FLOW THROUGH AIR
SENSOR



DRONECHEM-LX METHANE LASER SENSOR



DRONERAD-P AIR PUMP, FILTER HOLDER AND RADIATION DETECTOR

ALL AERIAL PLUME DETECTORS INCLUDE:

DETECTOR SYSTEM

- ➤ BUILT-IN MINI AIR PUMP 3 LPM
- QUICK CHANGE FILTER
- MULTIPLE SPECIALIZED FILTER MEDIA ACCEPTABLE
- > **OPTIONAL:** FLOW METER
- > OPTIONAL: REMOTE ON/OFF AIR PUMP SWITCH
- > OPTIONAL: VERTICAL AIR INTACK TUBE 3 FEET

GROUND STATION

- SOFTWARE
- USB or OPTIONAL ETHERNET INTERFACE
- RECORDS CHANGES IN AIRBORNE CONCENTRATION BY LOCATION
- OPTIONAL RADIATION PLUME MAPPING DATA SOFTWARE FOR POST-FLIGHT EVALUATION





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CHEMICAL SENSORS:

MIX & MATCH AT TIME OF ORDER - Additional Chemical Sensors are Available Upon Request

CHEMICALS & LEL

Chlorine

Methane

SO₂ Carbon Dioxide

NO₂ Nitrogen Dioxide

SO₂ Sulfur Dioxide

Diesel Fumes & Particulates
CO Carbon Monoxide

O₃ Ozone

VOC NH₃ Ammonia

O₂ Oxygen CWAs (Chemical Warfare Agents

Explosives H₂S Hydrogen Sulfide

Drugs

Irritants

DRONESENSOR SERIES FLY DETECTORS SEPARATELY OR IN COMBINATION

| MODEL TITLE | DETECTION |
|-----------------|---|
| DRONERAD-P | Radiation Plume Detector |
| DRONERAD-ST | Radiation Search Tool – Fixed Radiation Sources |
| DRONECHEM | Various Airborne Chemicals |
| DRONECHEM-FX | Airborne Methane with A Flow Through Detector |
| DRONECHEM-LX | Airborne Methane with A Laser Detector |
| DRONECHEM-WDE | Warfare, Drugs, Explosives, Nerve Gas |
| DRONECHEM-2-IWC | Irritants, Warfare, Chemicals, Nerve Gas |
| CLIMATE DRONE | Dual Detectors |
| | Airborne Methane with A Laser Detector - DRONECHEM-LX |
| | Airborne Methane with A Flow Through Detector - |
| | DRONECHEM-FX |
| DRONECHEM-WW | Airborne Methane via Works Well |









FEATURES

DroneSENSOR™ Detector System

SPECIFICATIONS OF AERIAL RADIATION DETECTION SYSTEM:

DETECTOR WEIGHT & DIMENSIONS:

Approximate Volume: 144 cu. inches

Approximate Weight:

Gamma spec: <4 lbs – **DroneRAD-ST**Alpha/Beta/Gamma spec: <6 lbs – **DroneRAD-P**

Approximate Dimensions: 4" High x 10" Long x 2" Wide - **DroneRAD-ST & DroneRAD-P**

COMMUNICATION:

Integrates into Existing Formats.

POWER REQUIREMENTS - DroneRAD-ST & DroneRAD-P

Rechargeable Batteries Included.

SPECIFICATIONS ~

BASE STATION ELECTRONICS OPTIONS FOR BOTH RADIATION & CHEMICAL DATA:

LAPTOP - (INCLUDED)

DroneRAD-E
Data Software

ELECTRONICS: DroneRAD-E (TRANSPONDER):

OPTIONAL: Isotope ID: DroneRAD-ST ONLY
Spectrum Receiver: DroneRAD-ST ONLY

Power: Rechargeable Battery Pack

Output Ports:USB & CableCase:Gasketed Case

Alarms: OPTIONAL Visual / Audio – User Settable
Mapping Software: OPTIONAL – for Post Flight Evaluation

Dimensions: 3" x 2" x 6"
Weight: 3 lbs



DroneRAD-E RECEIVER / TRANSMITTER





DroneRAD-E Laptop Lug In





DroneRAD-E Laptop

ELECTRONICS OPTIONS: RS-232 serial circuit

In-place rechargeable batteries

Enhanced GPS



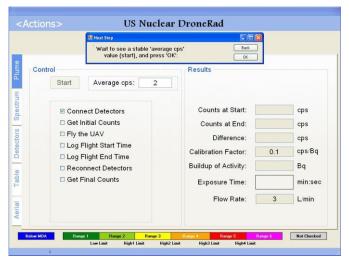


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FEATURES

DroneSENSOR™ Detector System



DroneRAD-P BEFORE FLIGHT

US Nuclear DroneRad

Results

Counts at Start:

Counts at End:

Calibration Factor:

Buildup of Activity:

Exposure Time:

Flow Rate:

Difference:

2 cps

0:24

3 L/min

cps

Bq

Not Checked

min:sec

0.1 cps/Bq



Start

☑ Connect Detectors

Get Initial Counts

□ Log Flight Start Time

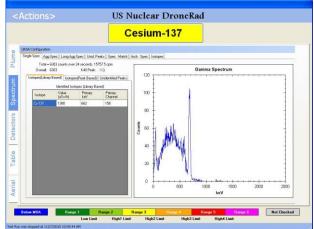
□ Log Flight End Time

□ Reconnect Detectors

☐ Get Final Counts

Fly the UAV

DroneRAD-P AFTER FLIGHT



DroneRAD-P

BEFORE PLUME

US Nuclear DroneRad

Results

Counts at Start:

Difference:

Calibration Factor

Buildup of Activity:

Exposure Time:

Flow Rate:

2

0.1

cps

cps/Ba

min:sec

Not Checked

Ba

3 L/min

Click OK to log the start time of the flight through the radiation area:

DroneRAD-ST SEARCH TOOL RESULTS

LAPTOP - ELECTRONICS READ OUT DroneRAD-P & DroneRAD-ST SAMPLE

SOFTWARE SCREEN SHOT SAMPLES



Start

☑ Connect Detectors☑ Get Initial Counts

☑ Log Flight Start Time

☑ Log Flight End Time

☑ Reconnect Detectors
☐ Get Final Counts

Fly the UAV



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7051 Eton Ave., Canoga Park, CA 91303 818-883-7043 (Phone) 818-883-6103 (Fax)

SAHIL @usnuclearcorp.com

WWW.TECH-ASSOCIATES.COM

FEATURES

DroneRAD™ Detector System

<u>DroneSENSOR™ PACKAGE</u> INCLUDES:

· Advanced Flight Platform

QUADCOPTER (Standard)

- GPS
- Controllers
- DroneSENSOR Detector System
- DroneSENSOR -E Electronics -Laptop
- Unique Data Collection Software
- Wireless Interface
- USB Port
 - Cords, Cables & Connectors
 - Hard Shell Case for DroneSENSOR Package
 - See Specific Features
 - OPTIONAL ~ Training

<u>DroneRAD™ DETECTOR SYSTEM</u> INCLUDES:

- DroneRAD-ST Detector (User Specified)
- DroneRAD-P Detector (User Specified)
- Charcoal & Glass Fiber
 Filters for DroneRAD-P

DroneRAD DETECTOR SYSTEM OPTIONS:

- ENHANCED GPS
- ALPHA SPECTRUM DETECTOR DroneRAD-P
- NEUTRON DETECTOR— DroneRAD-ST
- LaBr DETECTOR— DroneRAD-ST
- GAMMA TELESCOPE/COLLIMATER— DroneRAD-ST
- ISOTOPE IDENTIFIER (MCA)— DroneRAD-ST-ID
- ALARM AUDIO / VISUAL

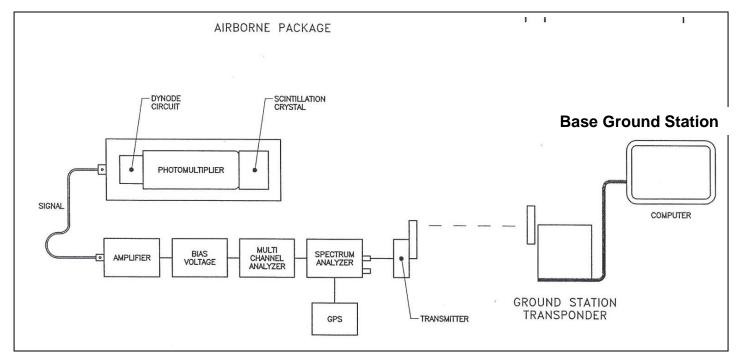








FEATURES DroneRAD™ Detector System



DroneRAD-ST™ Detector Set Up





Search Tool DroneRAD-ST™



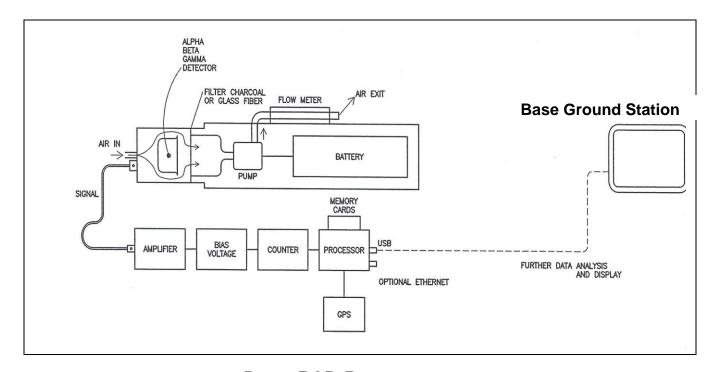


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FEATURES

Advanced Flight Platform QUADCOPTER DroneRAD™ Detector System



DroneRAD-P™ Detector Set Up



Plume Detector DroneRAD-P™











The best Advanced Drone Flight Platform will be Selected in Direct Response to Your Mission

TYPICAL FEATURES OF OUR ADVANCED FLIGHT PLATFORMS:

- Open PX4 flight stack:
 Modify and adapt the Advance Flight Platform for your mission.
- Dedicated US based engineering, operations, and support team.
- Designed and assembled in United States.
- Training program for your team (At US Nuclear Corp, or on-site).
- · Robust testing and validation methodology.
- Open & communicative team (We share CAD, test specs, engineering documents, wiki to help you integrate and succeed more quickly).
- In depth documentation (Wiki, Knowledgebase, Tutorial videos).
- Customization Our Engineering team is here to help you realize your integration or customization. We know how to get you in the air quickly and efficiently.
- We have established partnerships with the best companies in the industry to help create a robust flight platform that can tackle any problem.

- 35lb Max payload.
- Quick release mounting system on top or bottom of aircraft.
- Adjustable Vibration Isolation included.
- Long Range Data link.
- Extensive accessory ecosystem.
- 33 Inch blades (1/5th the normal level of vibration).
- Flies (2) 16 AH batteries.
- 50 Minute flight time with no payload, 22 minute flight with 20lb payload.
- Folds to half its size with one finger folding.





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