

## X-site Live Wireless hazard area monitor

Real-time scalable area monitoring. Benefit from up to 7 toxic and combustible gas detection plus radiation sensors in a convenient, easy to carry case. Remote visibility with unsurpassed communications capability enabled by FirstNet® integration.



**Charging case**  
for easy handling and charging  
of the kit with a single plug

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## X-site Live



## Benefits

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### Live, Unthrottled Gas Detection and Radiation Data when you need it most, with FirstNet® Integration

Monitor a scene from anywhere. Data from each monitoring point is relayed real-time to a central monitoring station and to any experts you choose. Area monitoring is achieved through a comprehensive simple to operate robust wireless system. Chemical and radiological data is relayed through a gateway with local and redundant broadband connectivity. The Lifeline Smart Gateway includes a FirstNet® Ready router providing Public Safety priority and preemption should events require. Additionally, robust internet broadband connectivity helps ensure internet system coverage. Software displays live and historical meter readings with corresponding map-based location information. All collected data is standardized for interoperability with Federal and commercial systems.

With up to 7 gases readable at once and with a large sensor selection, configure your area monitor to handle a wide range of gas hazards. Sensors include PID, CatEx LEL, IR LEL, O<sub>2</sub>, CO and H<sub>2</sub>S.

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### Live Gas and Radiation Data

Live gas and radiation detection data helps First Responders stay safe by providing immediate remote hazardous environmental data. This information can be sent to subject matter experts and even agencies such as the EPA so that they have immediate knowledge of hazards.

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### Save Time and Money

Further benefits of live data: Immediately know environmental conditions. By having faster access to data, more teams know what the exact situation is and can prepare ahead of time. Personnel do not have to leave the hot zone to share data. Reduce First Responder footprint at events through greater knowledge of the hazard and faster response. Faster sharing of information can shorten the hazardous event and return the situation to normal more rapidly. Use as a preventative tool could eliminate the event from happening.

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### Use the Included X-am 8000 Gas Detector as a Personal Monitor

Area monitors often sit unused for long time periods. Have the area monitoring capabilities when you need them. When you don't need the area monitor, simply remove the X-am 8000 and SmartLINC from the kit and use it as a personal monitor. Similarly, the radiation detector may also be removed.

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### Compliance with Presidential Policy Directive – PPD-8

This directive is aimed at strengthening the security and resilience of the United States through systematic preparation. In compliance with this, the X-site Live knows where the data is coming from, what it is, the state of the instrument and other information.

## Benefits

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### Continuity of Operations

Ensure that essential functions continue to be performed during a wide range of emergencies by knowing live environmental conditions with the confidence of having redundant wireless connectivity. Potentially offset fines, litigation or penalties.

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### Toxic Twin Algorithm Helps Increase Firefighter Safety During Overhaul

Dräger's patented toxic twins alarm function enables the area monitoring kit (or just the X-am 8000 when used in standalone mode as a personal monitor) to measure CO and HCN against a combined threshold, which increases firefighter safety during overhaul. A combined threshold is used because measuring the combination of CO and HCN individually does not reflect the synergistic but harmful effect that the two chemicals produce when both are present. The instrument will show an A1 or A2 alarm for the HCN+ channel when the combined levels of CO and HCN exceed safe levels. This capability is present when both CO and HCN sensors are selected at purchase.

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### Radiation Detection

Discretely included in each kit and developed in collaboration with First Responders and state and federal law enforcement. Use the built-in directionality feature to find the location of a radiation source.

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### Integrate with your Weatherpack® Weather Station to Predict Toxic Plumes

Available pluming software allows you to map the plumes, identifying areas at risk. This can in turn drive actions such as evacuations and emergency personnel actions.

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### Economical Fleet Management

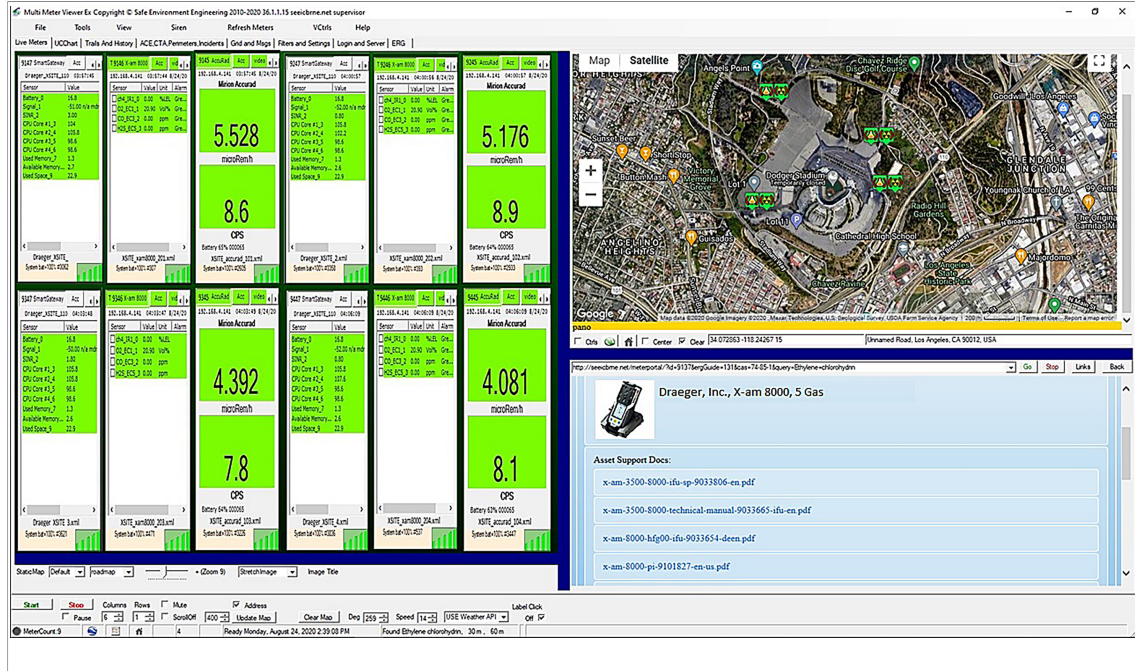
Gas detector bump tests and calibrations are carried out simply and quickly using the Dräger X-dock® calibration station. Its low test gas consumption keeps operating costs to a minimum. Its reporting function and numerous other useful features make the X-dock Manager PC software a smart addition to any fleet management operation. To identify the devices in the fleet, you can either use tried and tested barcodes or an integrated RFID transponder.

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### Integrate with 3rd party equipment

Other instruments can also be integrated into the X-site Live solution. Examples of these include Draeger series X-am instruments, FLIR radiation detection instruments, particle size instruments and others. Check with your Draeger Sales Representative for more information.

# Live Hazard and Location Data for All X-site Kits is Available at a Glance



Live hazard location data is available at a glance. A map showing the locations of the units being monitored makes it very easy to understand the situation. Each kit on the map represents an icon. Simply click on an icon to see the live gas and radiation readings at each point on the map. The screen is customizable.

## Accessories



### Inductive charger

Inductive charging reduces maintenance because there are no metal contacts required for charging.

## Accessories



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### Pedestal

Use to stand the device upright for area monitoring. The pedestal can be used with or without a shoulder strap.



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### Protective rubber boot

Prevents damage and wear in harsh environments. The protective boot can easily be replaced by the user.



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### 5 m FKM hose (diameter 3 mm/0.12 in)

The solvent-resistant FKM hose with a diameter of 3 mm/0.12 in speeds up flushing time and saves weight. It is available by the meter/foot or with suitable fittings for water and dust filter as well as probes.



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### Adhesive label

The adhesive label attaches to the bottom of the X-am and can have device-specific information inscribed on it, such as the sensor configuration. Optional labels are available in Red, Green, Blue and Yellow.

## Accessories



ST-5080-2005

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### Calibration gas and accessories

For the safe operation of devices, applicable regulations and statutory provisions are to be met and complied with. Therefore, regular calibrations and function tests are necessary. Different systems are available so that products meet a wide range of calibration requirements.

## Technical Data

### X-site Live Kit Specification

|                     |   |
|---------------------|---|
| Run time            | 14 hours on full charge   |
| Communication Range | Cellular/Internet – unlimited<br>Wi-Fi, 2.4 GHz – approximately 300 feet outdoors |
| Case dimensions     | 21 in x 15.5 in x 7.3 in (534 mm x 394 mm x 186 mm)                               |
| Total Kit Weight    | 22 lbs (10.0 Kg)  |
| Power Input         | 110 VAC   |

### Dräger X-am® 8000 Specification

See Dräger X-am® 8000 Product Information sheet

### Mirion AccuRad™ Specification

#### CHARACTERISTICS

|           |   |
|-----------|---|
| Physical  |   |
| Weight    | 7 oz (200 g), including clip  |
| Size      | 4.25 x 2.4 x 1.4 in. (108 x 61 x 36 mm) without clip  |
| Batteries | Two AA batteries for more than 900 hours of continuous operation<br>Tool-less battery cover |

#### ENVIRONMENT

|             |  |
|-------------|--|
| IP Rating   | IP67 (dust and 1 m (3 ft 3 in.) water immersion)   |
| Temperature | -4 °F to 140 °F (-20 °C to 60 °C)  |
| Drop        | 1.5 m (4 ft 11 in.) on concrete<br>Innovative heavy-duty bi-material construction<br>Replaceable fiber-reinforced clip |

#### USER INTERFACE

|                        |  |
|------------------------|--|
| Modes of Operation     | Dose or count rate<br>Search with trend or radar<br>0–9 display indicator      |
| Display                | Top display enables hands-free visual alarm assessment                         |
| Languages              | English, Spanish   |
| Buttons and Navigation | Intuitive to use even without training<br>Comfortable for one-handed operation |
| Alarming               | Vibration<br>Visual LED<br>Audible sound: 85 dB(A) at 30 cm (11.8 in.)         |

#### RADIOLOGICAL PERFORMANCE

|                       |   |
|-----------------------|---|
| Detectors             | CsI(Tl) scintillation detector with temperature compensated SiPM for interdiction missions<br>Silicon diode for integrated dose and high dose rate to ensure proper health and safety |
| Detection Performance | Alarms at 50 µrem/h (0.5 µSv/h) within two seconds  |



## Technical Data

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|-------------------------------------|--|
|                                     | VBS: Authenticates true alarms in variable backgrounds   |
|                                     | Energy range: 25 keV to 3 MeV; detects all radionuclides of concern                            |
| Dose Rate                           |  |
| Range                               | up to 1,000 rem/h (10 Sv/h) with measurement history   |
| Accuracy                            | ±20 %  |
| <b>CONNECTIVITY</b>                 |  |
| Bluetooth®                          | Low Energy with Near Field Communications (NFC) pairing to smartphone                          |
| USB                                 | type C for earphones and maintenance   |
| <b>APPLICATION ENABLED FEATURES</b> |  |
|                                     | Remote display, access to history and logs   |
|                                     | Reachback/streaming: email, SMS, SpirVIEW Mobile software, RadResponder, ANSI N42.42 files     |
|                                     | Learning section with how-to videos and documentation  |
| <b>ACCESSORIES</b>                  |  |
| Standard                            | AccuRad PRD, AA alkaline batteries, quick guide, spare clip                                    |
|                                     | USB C earphones, clip, battery cover   |
|                                     | Radiation safety training modules for law enforcement, fire rescue and other responders        |
|                                     | SpirVIEW Mobile command center software  |
| <b>STANDARDS</b>                    |  |
|                                     | Designed to meet or exceed ANSI N42.32   |
|                                     | Designed to meet or exceed IEC 62401:2017 (PRD)  |
| <b>Smart LINC Specification</b>     |  |
| Talk Time                           | 21 hours   |
| Standby Time                        | 14 days  |
| Battery Type                        | 3,240 mAh non-removable Lithium ion (Li-ion)   |
| Display                             | 5" FHD, (1920 x1080 pixels), 443 ppi, Dragontrail™ PRO   |
| Operating System                    | Android™ 9 (Pie)   |
| Chipset                             | SDM630 Qualcomm® Snapdragon™ processor with 2.2 GHz x 1.8 GHz, Octa Core CPU                   |
| Radios                              | 4G LTE CAT9: B1/B2/B3/B4/B5/B7/B12/B14/B29/ B30/B66 GSM: Quad (2, 3, 5, 8)<br>UMTS: 1, 2, 4, 5 |
| Memory                              | 64GB ROM/4GB RAM microSDXC memory card slot (supports up to 512 GB)                            |
| IM Type                             | Nano/4FF Size  |

## Technical Data

|                      |  |
|----------------------|--|
| Dimensions           | 150.2 x 73.4 x 13.5 mm<br>(5.91 x 2.89 x .53 in)   |
| Weight               | 235 g (8.3 oz)   |
| <b>MEDIA FORMATS</b> |  |
| Audio                | AAC, AAC+, eAAC+, AMR-NB, AMR-WB, FLAC, MP3, MIDI, Vorbis, PCM (WAVE), Opus, QCELP, EVRC |
| Video                | H.263, H.264, H.265, MPEG-4, VP8, VP9<br>Image: BMP, WBMP, GIF, JPEG, PNG, WEBP          |

### Gateway Specifications

|   |   |
|---|---|
| <b>General</b>                              |   |
| Size  | 7.26" x 5.76" x 3.38"<br>(18.44 x 14.63 x 8.59 cm) without antennas   |
| Weight                                      | 6.5 lbs (2.95 kg)   |
| Antennas                                    | 5in1 Permanent Mount Antenna<br>2 LTE MIMO<br>698~960MHz/1710~2170MHz/<br>2490~2690MHz<br>2 Wi-Fi MIMO 2.4GHz/5.8GHz<br>1 Active GPS-GLONASS-GALILEO-BeiDou Antenna |
| Antenna Connector                           | Type SMA  |
| Power                                       | Battery Li-ion 15 Hour Operation<br>AC 100-240V 50/60Hz 0.8A<br>DC 14V 2.0A   |
| Lights                                      | Power, GPS, Modem, Signal Strength  |
| Connectors                                  | Ethernet, USB (x2), HDMI, Bluetooth®, LINC Cable (x2)   |
| <b>Cellular Router – Cradlepoint IBR900</b> |   |
| LTE   | Embedded LTE-Advanced 600 Mbps Modem & DC-HSPA+Fallback   |
| WIFI  | Dual-band, dual-concurrent WiFi; 802.11 a/b/g/n/ac wave 2   |
| Carriers                                    | All North American, European & Asia Pacific, Saudi Arabia   |
| Ethernet Ports                              | 2 LAN/WAN switchable 10/100/1000  |
| GPS/GNSS                                    | TAIP & NMEA 0183 V3.0   |
| Cloud Managed                               | NetCloud Manager  |
| <b>Integrated Computer Specifications</b>   |   |
| Processor                                   | Intel Cherry Trail Z8350 Quad Core<br>Base Frequency: 1.44GHz (1.92GHz Burst Frequency)   |
| Operating System                            | Windows 10 IoT Enterprise   |
| RAM   | 4GB DDR3L   |
| Storage Capacity                            | 64GB  |
| CPU   | Intel HD, 12 EUs @200-500Mhz, single-channel memory   |
| USB   | 3.0 x 1, USB 2.0 x 2  |

## Technical Data

|              |  |
|--------------|--|
| Connectivity | Wi-Fi 802.11n 2.4G<br>Bluetooth® 4.0<br>Integrated Arduino Co-processor:<br>ATmega32u4 (Leonardo)<br>Video output: HDMI and MIPI-DSI<br>Onboard touch panel overlay connector<br>Supports 100Mbps Ethernet<br>Intel Processor GPIO x 6<br>ATmega Processor GPIO x 20<br>Gravity Interface Connectors x 6 |
|--------------|--|

### MultiMeterViewer Specifications

|                                       |   |
|---------------------------------------|---|
| Minimum Operating System Requirements |   |
| Operating System                      | Windows 10  |
| CPU                                   | Intel Generation 10 i3  |
| Memory                                | 4 GB  |
| Free Space                            | 128 GB SSD (recommended)  |
| Graphics Hardware                     | Intel UHD Graphics (or equivalent)<br>1,355 x 768 HD  |
| Sound Hardware                        | Stereo Speakers   |
| Features                              | Remote Display of Meter's Faceplate<br>Comprehensive Map View/Tool (GIS) with<br>Export/Import<br>Accurate 3D, real-time plume and<br>backtrack tool<br>Immediate Audible and Visual Alarms<br>Integrated Live Video Player<br>Instrument information Web pages<br>Simultaneous instrument tracking with<br>color concentration gradation<br>Special support for performing field<br>surveys (live & Historical)<br>Reading normalization using energy<br>coefficients/correction factors<br>Dynamic security controlling who gets to<br>see specific data<br>Asset management and tracking<br>Secure interface to DNDO for radiological/<br>nuclear emergencies<br>Mobile versions (iPhone, iPad, Android<br>and Blackberry) |

## Notes

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