UAV BASED FLOW THROUGH METHANE SENSOR

Model ~ DroneCHEM-FX

FEATURES:

- - METHANE DETECTION - **DRONECHEM-FX**
  - DETECTS METHANE AT CLOSE PROXIMITY
- FLOW THROUGH AIR SENSOR
- MINI-PC WITH WIFI DOWNLOAD LINK OR DIRECT
- REAL-TIME DATA DOWNLOAD
- GPS LINKED VIA UAV
- DISPLAY ON GROUND STATION: GRAPH & MAP
- SMALL & LIGHTWEIGHT
- QUICK CONNECT TO UAV
- REAL-TIME DIRECT WIRELESS DATA DOWNLOAD TO GROUND STATION, LAPTOP, OR OTHER DATA ACQUISITION SYSTEM
- INTEGRATED SOFTWARE
- DISPLAY ON GROUND STATION: GRAPH & MAP
- SMALL & LIGHTWEIGHT
- FITTED CARRYING CASE

**DRONECHEM-FX
FLOW THROUGH METHANE
SENSOR**

APPLICATION:

The DroneCHEM-FX is a flow-through air sensor for detection of methane. This light-weight UAV based unit can fly along pipelines or in areas of potential methane leaks pinpointing specific location of leaks.

DESCRIPTION:

The DroneCHEM- FX is a light-weight unit that connects to US Nuclear Corp provided UAVs. Utilizing this flow through air sensor detection method keeps workers out of harm's way. Detection is GPS tagged

FX CARRYING CASE

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SPECIFICATIONS:

DRONECHEM-FX

Detector:	Fan Driven Flow-Through Air Sensor
Gas Measured:	Methane (CH4) and methane containing gases (natural or similar)
Sensitivity:	0 to 10,000 ppm
Flight Speed:	Best results – 8 knots; Max: 30 knots
Accuracy:	±10%
Electronics:	Integrated software for ground station, laptop, or other data acquisition system.
Display:	Real-time wireless data download to ground station, laptop or tablet. Minimum, Maximum, & Average readings
Environmental Temp:	32° F to 104 ° F (0° C to 40 ° C)
Humidity:	10%– 95%
Detection Speed:	60 seconds for highest accuracy
Detector System Power:	From UAV power
Weight & Dimensions:	
Dimensions with Sensor Head:	7 .6" L x 4.75" W x 2.1" H (19 L cm x 12 W cm x 5.4 H cm)
Weight:	1 lb. (0.45 kg)
Carrying Case:	Fitted Case with quick release to UAV

DRONECHEM-FX		External Control Outputs	Yes
Interchangeable sensor head	Yes	Audible Alarm	Yes
Digital LCD Display	Yes	High and Low Alarms	Yes
Min, Max, Average readings on screen	Yes	0-5 VDC Analog output	Yes
Field Replaceable Battery	Yes	Zero Calibration capability	Yes
Remote Sensor Capability	Yes	Span Calibration capability	Yes
Wireless Data Download	Yes	Internal Data Logging Capability	Yes
Temp and HR Sensor - Optional	Yes	PC connection and cables	Yes