

Climate Drone

UAV with Methane Sensor Package DRONECHEM-Series

Models: DroneCHEM-LX and DroneCHEM-FX

Model: DroneCHEM-Methane (Climate Drone Methane-Dual Detector System)

Advanced Drone Platform

6 Propellers - Long Endurance Batteries

Typical Features

- **Flight Time :** 70 minutes
- **Payload:** 11 lb (5kg)
- **Flight Range:** 9.3 miles (15km)
- **Operating Range:** 9.32 mi (15 km)
- **Empty Weight:** 11.8 lbs (5.38 kg)
- **Weight with Batteries:** 22.7 lbs (10.3kg)
 - Without Payload
- **Dimensions:** 49.4" W (1255 mm) x 19" H (485mm)
- **Ground Clearance:** 12" (395 mm)
- **Speed:** 35 mph (56 km/h)

Description

UAV methane sensor flight packages: DroneCHEM-Methane, DroneCHEM-LX or DroneCHEM-FX provide real-time wireless download to ground station, laptop, or other data acquisition systems.

The DroneCHEM-Methane combines both the laser sensor (DroneCHEM-LX) and the flow through air sensor (DroneCHEM-FX) in one flight package. This dual detector system provides a full service: detecting a methane leak and specific source location of a leak.

The DroneCHEM-LX is an optical laser detection, light-weight unit for methane and can be up to 82 feet away, depending on plume size and methane ppm.

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.

Each detection method keeps workers out of harm's way. Detection is GPS tagged.

The use of an **Optional** Real-Time Kinematic Station (RTK) provides GPS Accuracy with ± 2.0 cm.



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