

UAV Based Flow Through Methane Sensor

Model: DroneCHEM-FX

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, and 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 and 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	
Interchangeable sensor head	Yes
Digital LCD Display	Yes
Min, Max, Average readings on screen	Yes
Field Replaceable Battery	Yes
Remote Sensor Capability	Yes
External Control Outputs	Yes
Temp and HR Sensor - Optional	Yes


External Control Outputs	Yes
Audible Alarm	Yes
High and Low Alarms	Yes
0-5 VDC Analog output	Yes
Zero Calibration capability	Yes
Span Calibration capability	Yes
Internal Data Logging Capability	Yes
PC connection and cables	Yes



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