



iMet-XF

Atmospheric Sensor Package for UAS/UAV Integration

Applications Include:

- Boundary layer research
- Atmospheric chemistry
- Pollution source monitoring
- Severe weather profiles

Can be used with fixed-wing UAS for precise, repeatable, long-range patterns or rotary wing copters for stationary observations over longer time intervals.

Suitable for any mission that requires accurate measurements with precise spatial coordinates.

International Met Systems is one of the world's leading suppliers of Atmospheric Sensors for synoptic, military and research applications. InterMet has been providing atmospheric sensors for UAV deployment since 2015.

InterMet offers a complete line of sounding systems and sensors to meet customer requirements and budgets. We offer flexible, cost-effective solutions - and the highest level of customer service in the industry.

Product Overview

The iMet-X is a small, lightweight main board with four connectors for attaching remote sensors. The main board is designed to be installed in a secure location on the UAS with sensors mounted at optimal locations on the airframe.

iMet-X is configured for easy integration with any commercially available sensor using the I2C communications protocol; SPI and UARTS can also be accommodated.

Operating Parameters

Power	USB or Lithium-ion Battery
Operating Temperature	-20 to + 40 ° C
Operating Humidity.	0 to 100% RH

Available Sensors

Fast Response Bead Thermistor Air Temperature
 IR Surface Temperature
 IST Humidity
 U-blox Cam-M8 GPS
 Carbon Monoxide (CO)
 Methane (CH4)

Data Output Options

USART (3.3CMOS, RS-232, RS-422)
 USB
 Cellular (3G)
 Satellite Internet
 Bluetooth v4.0

Software

Data logging utility provided