



iMet-XF

Atmospheric Sensor Package for UAS 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



Air Temperature Bead Thermistor

System 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 L-ion Battery
Operating Temperature	-20°C to +40°C
Operating Humidity Range	0 to 100%RH

Available Sensors

- Fast Response Bead Thermistor Air Temperature
- PT100 Air Temperature
- IR Surface Temperature
- E+E Humidity
- IST Humidity
- U-Blox Cam-M8 GPS
- CO2 / CH4
- Any compatible sensor

Data Output Options

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

Software

- Data logging utility provided



E+E EE03 Humidity Sensor

InterMet is one of the world's leading suppliers of Atmospheric Sounding Systems for synoptic, military and research applications.

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.

Specifications Subject to Change without Notice
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