The AIMMS (Aircraft Integrated Meteorological Measurement System) is a stand-alone, fully-integrated instrumentation system providing high-accuracy measurements of:

Temperature
Relative Humidity
Three-Dimensional Winds (North, East and Vertical)
and
Turbulence (Gust Probe)

The embedded GPS / Inertial subsystem also provides measurement of:

Inertial Accelerations (X, Y, Z)
Inertial Angular Rates (P, Q, R)
GPS Time, Position and Velocity
And
Attitude (Roll, Pitch, Yaw [Heading])

The data output is available in real-time via serial broadcast, or can be stored to an integrated USB FLASH memory drive for post-flight analysis and processing capable of providing a higher frequency solution.

Stand-alone operation capability with optional display module running Aventech MetTrack firmware.